

# HARRIS BROTHERS Co. *Chicago*

*See Green Pages for Quick-  
Index and Buying Instructions*

*America's Greatest  
Stocks of Brand New  
Building Material  
and Supplies . . .*

**Everything Needed to  
Build, Improve and  
Furnish the HOME  
FARM and FACTORY**



*Catalog*  
No 187

*Address all Communications to*

**Harris Brothers Co.**

35th and Iron Sts. Chicago.



# Millwork Suggestions for the Home!

There are innumerable ways that you can add beauty and comfort to your home, increasing the value of your property with little expense. These colored photographic reproductions suggest a few of the many possibilities more fully described in the millwork pages of this book.

## Shakespeare Front Door

First impressions are many times best. If there is any single thing about a house that makes a good first impression, that one thing is the front door. Our "Shakespeare" door in red oak Northern birch or White Pine, showing the natural grain of the wood, with its artistic glazing is an embodiment of good taste.

*There are many other handsome designs in the door pages of this book.*

## Writing Desk and Bookcase Colonnade

Here is a built-in convenience that will not only beautify the interior of your home with its impressive appearance, but add ever-convenient cases for your books, china or antiques and serve you with a spacious writing desk as well.

*But one of the many splendid designs presented in the colonnade pages which follow.*

## Medicine Cabinet

No bathroom is complete without a built-in medicine cabinet. But you should be careful in your choice to select a cabinet of trim, neat appearance properly arranged for storage and sanitation. See the splendid designs in the cabinet pages of this book.

## Astoria Buffet

The addition of a modern attractive built-in buffet is nearly as simple as setting any piece of furniture in place. The design and construction of this artistic buffet with its spacious cupboards, convenient drawers, mirrored top and leaded crystal glazed doors will delight you with the finished appearance it will give your dining room. Other designs will be found in the buffet pages of this book.

## An Inviting Breakfast Alcove

Like all other articles of built-in furniture, the breakfast alcove combines usefulness, beauty, and convenience. It is attractive and inviting—a time and step saver for the housewife. Even the smallest home can be greatly improved by allowing sufficient space for this little nook. Full details of this outfit in many sizes will be found in the cabinet pages of this book.



# A Complete Expert Service —

for those  
who intend  
to build or  
improve..

## AN INVITATION

from the President of

HARRIS BROTHERS CO.

Thirty-one years ago we started this business with the full realization that our success or failure depended solely upon our ability to serve. The result is our \$10,000,000 institution and satisfied customers in every section of the country.

Through all these years our expert engineers and estimators have collected a priceless store of information which could only come to us by direct dealing with countless thousands like you. With this valuable and varied knowledge, we solicit your patronage, prepared to give you better qualities, lower prices and a helpful time and trouble saving service.

We invite your letters of inquiry. Experts are waiting here to help you—to point out the "short cuts" to satisfaction—the direct, sure and certain route to true economy. They will show you the best way to build your home, the proper way to decorate and furnish it. They are able to tell you which will be the best heating plant for your building and the most economical way to install it—the kind of plumbing you should buy to get what is best suited to your individual requirements—the right amount of paint and the correct color combinations for your buildings—how to figure roofing, wall-board, lumber; or, better, they will figure every detail for you and inform you fully, in simple, easily-understood language. How can we help you?

A. HARRIS, President



HARRIS BROTHERS COMPANY, 35th and Iron Streets, CHICAGO



# Let **THIS** Protect You in all Your Buying

Capital  
\$10,000,000  
Stock

## Our Guarantee

We Guarantee that every article of material and merchandise in this book is exactly as illustrated and represented, that every article you receive will meet your highest expectations in value, service and satisfaction.

We Guarantee to satisfy you in all your dealings. If you are not entirely pleased we will permit the return of any material or merchandise purchased from us at our expense. We will then return your money with any transportation charges you have paid, or we will exchange the returned goods or satisfy you otherwise.

**HARRIS BROTHERS  
COMPANY** 35th and Iron Streets  
CHICAGO

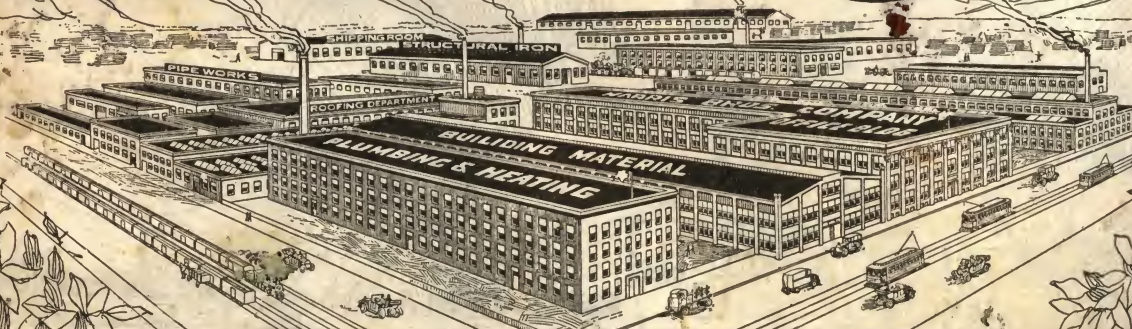
Established  
1892

This guarantee covers every purchase from this book, large or small—written with protection to you in all your buying, as its only object. Every promise, every statement, every word, is backed by ten million dollars and our entire institution.

## We are **FIRST** in America for

- \*Harris Homes Beautiful General Millwork
- Plumbing Material
- Heating Equipment
- \*Paints and Supplies
- Fencing and Wire
- Pipe—Fittings—Valves
- \*Steel and Prepared Roofing
- \*Structural Steel
- Hardware
- \*Belting—Hose
- \*Machinery
- \*Boilers and Tanks
- \*Agricultural Implements
- \*Power Transmission
- \*Steel Buildings
- \*Presto-Up Bolt Together Garages
- \*Presto-Up Bolt Together Summer Cottages
- Cream Separators
- Corn Shellers
- Lumber
- \*Furniture—Rugs—Stoves
- Builders' Hardware
- Gasoline Engines

\* Indicates special catalogs which we publish covering these subjects thoroughly. Any one or all of them will be sent free and postpaid upon request.



*Aeroplane view of Our 40 acre Headquarters Plant at Chicago*

**HARRIS BROTHERS COMPANY, 35th and Iron Streets, CHICAGO**



# 40 Acres of Bargains —and the Reason!!

FROM coast to coast and from Canada to the border an army of careful, thrifty buyers knows why we can and do sell world's finest products at big savings the year 'round. These are our old friends and customers, firmly bound to us by the enduring quality of the things they have bought here and the money we have saved for them. But do you know why? Here are the reasons: Our business methods are original—different from all others. We buy bargains only—nothing but bargains in quality, materials and merchandise. Our ten million dollar "spot cash" buying power gives us the first pick and choice of complete warehouse and manufacturers' stocks offered for sale. If the prices asked are low enough and the quality up to our high standards, all articles offered in these special sales are sure to find their way to our gigantic warehouses. That is the reason for our leadership in value giving and why we are able to serve our ever-growing host of customers in every section of the country. It is to their patronage and support that we owe our success in the development of our present day gigantic 40-acre plant.

## Selections—Savings—Service—Satisfaction!

This book brings you the "cream" of America's products. Dependable materials from most reliable sources of supply. It places before you wide selections in every needed item to build and improve your property and equipment. Every page emphatically asserts our price smashing supremacy. Every article proves beyond all question of doubt our leadership in value giving.

### Our Terms:

Our terms are uniformly cash with order. That means we always require cash in part or in full, depending upon price quotations in this book or our special letter quotations. Shipment will be made C. O. D., provided a deposit of 25% accompanies your order, balance to be paid C. O. D., except if you live at a point where there is no freight agent.

No matter where you go or how long you look, you will come back to this book to make your final decision. Study each page—each article you are interested in, carefully. Compare! Convince yourself of the unlimited buying possibilities this book contains. Along with it, we send you our assurance of prompt, efficient, painstaking service which will give you the satisfaction you have a right to expect.

### References:

We refer you to any commercial agency—any bank or banker—any express company—or publisher of any paper concerning our responsibility. We have established an enviable reputation and an unquestioned business standing by our fair, square deal methods which have been the corner stone to this business for thirty-one years.

## It's Easy to Order from this Book

Refer to the index on the green pages in the back of this book. Pick out the things you want and write on our order blank or any plain sheet of paper, the name of the article, our catalog number, giving size, finish or such description as is called for. Give your complete name, P. O. address, shipping point and state how you want shipment made—whether by parcel post, express or freight. Mail your order to us using the return envelope enclosed or any other envelope you may have including the necessary remittance to cover the amount required. If the amount is not figured exactly, we will return the balance due you or we will bill you for any small difference due us. Simple directions for figuring transportation charges will be found in the green pages.

## Branches and Warehouses

Unless otherwise stated, all articles in this book will be shipped to you direct from our headquarters plant here at Chicago. You will note there are many articles of heavy equipment and supplies quoted for shipment direct from warehouses at various points. This enables us to maintain our low prices by eliminating handling, transportation and warehouse expenses. Much of the staple merchandise in this book can be furnished from our big branch headquarters plants located at the following points:

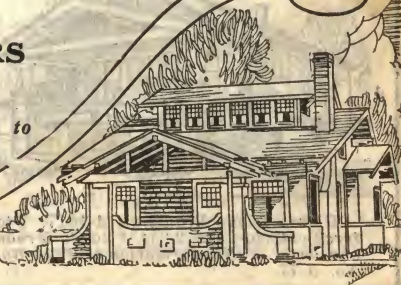
### EASTERN HEADQUARTERS

Cresskill, New Jersey

### NORTHWEST HEADQUARTERS

St. Paul, Minnesota

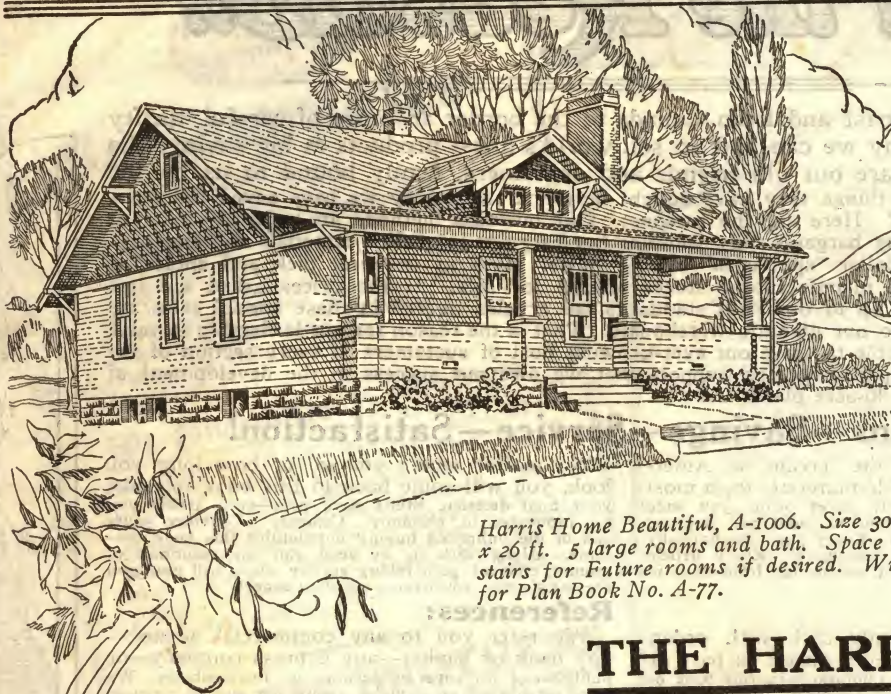
The big savings in this book will mean much to your friends. Lend them this book, or tell them that it is free and sent postpaid on request.



HARRIS BROTHERS COMPANY, 35th and Iron Streets, CHICAGO



# HARRIS



**Save  
Money  
This  
Way**

*Harris Home Beautiful, A-1006. Size 30 ft. x 26 ft. 5 large rooms and bath. Space upstairs for Future rooms if desired. Write for Plan Book No. A-77.*

## THE HARRIS WAY!

### — Please Read! —

Harris Brothers Company,  
Chicago, Illinois.  
Dear Sirs:—

Just a few lines to tell you how I am getting along with my home.

Everything has worked out fine. Both my wife and myself are more than pleased with everything and the courteous treatment received from your company. You can rest assured that we are and always will be Harris Boosters.

If at any time you wish to use us for reference you may do so.

Yours for a prosperous New Year.

Respectfully,  
(Signed) P. A. Frank.

—Ask for Letters of Testimony  
from Builders in Your Vicinity

- 1—Free Plans Designed by Expert Builders.
- 2—Wholesale prices—carload quantities.
- 3—Our Ready-Cut material eliminates waste.
- 4—Accurate machine cutting.
- 5—Sufficient quantities guaranteed.
- 6—High priced mechanics not necessary.
- 7—Best grades of material thruout.
- 8—Heavy framing triple corners.
- 9—Time required for carpenter work can be cut in half.
- 10—A comfortable home built to stay.

### Our Money-Back Guarantee!

We guarantee to furnish sufficient material as outlined on our descriptive material lists to build each Harris Home according to our free blue print plans and Plan Book description. Safe and sound delivery guaranteed.  
—HARRIS BROTHERS COMPANY.



*Harris Home Beautiful, A-1017. Plastered exterior, size 24 ft. x 36 ft. 5 rooms and bath. Full information in Plan Book No. A-77.*



*Harris Home Beautiful, A-1005. The size, 24 ft. x 32 ft. 5 rooms and bath. Details found in Plan Book No. A-77.*



*Harris Home Beautiful, A-1025. A dandy plaster and siding combination. Size 25 ft. x 41 ft. 5 rooms, bath and sun parlor.*

**HARRIS BROTHERS COMPANY, 35th and Iron Streets, CHICAGO**



# HOMES

**Waste  
Money  
This  
Way**

Harris Home Beautiful, A-1503. Size 26 ft. x 40 ft. 5 large rooms and bath. Space upstairs for 3 large rooms and extra bath if needed in the future. See Plan Book No. A-77 for details.

## THE OLD WAY

- 1—Poor plans or no plans at all.
- 2—Small material dealer—high prices.
- 3—Immense waste—high priced firewood.
- 4—Poor workmanship.
- 5—Many extras.
- 6—Excessive labor cost.
- 7—Questionable material—no guarantee.
- 8—Poor construction.
- 9—Months consumed in erection.
- 10—Result: dissatisfaction—repair bills.

## The New Free Plan Book!

A wonderful new Plan Book of more than 100 designs with many new and up-to-date homes will be sent on request. Bungalows, Cottages and Residences—the last word in Modern American Architecture. Send for your free copy, No. A-77.

## Please Read!

Harris Brothers Company,  
Chicago, Illinois.  
Gentlemen:—

I have been in the building business for thirty-five years and have used a great deal of Ready-Cut material furnished under the Harris System. I have also handled ready-cut materials furnished by practically all other companies in that business, but do not hesitate to tell you that I have found your material far superior in every way, and your System very simple and easy to understand. Any one can build a Ready-Cut Harris Home and get a perfect job.

Yours very truly,  
(Signed) W. D. Deemer.

Ask for Names of Satisfied Builders in Your Locality



Harris Home Beautiful, A-1000. A striking California Bungalow—Size 28 ft. x 41 ft. 5 large rooms and bath. Room arrangement can be seen in Plan Book No. A-77.

Harris Home Beautiful, A-1022. Siding and shingle exterior. 4 rooms, bath and addition. Size 26 ft. x 24 ft. Exceptionally low priced. See Plan Book No. A-77.

Harris Home Beautiful, A-2001. Full 2 story houses are economical to build. This one has 6 rooms, bath and all modern conveniences. Priced especially low.

**HARRIS BROTHERS COMPANY, 35th and Iron Streets, CHICAGO**



# PRESTO-UP



## Model "B" One Car Garages

38-AG-44	10'-6" x 16'-6"	\$163.00
38-AG-46	12'-6" x 16'-6"	176.00
38-AG-47	12'-6" x 18'-6"	186.00

## PATENTED GARAGES AND

**EARN 100% ON YOUR INVESTMENT!**

### Presto-Up Garages Are the Wonder Buildings of the Age

IF YOU ARE PAYING GARAGE RENT, you are throwing your money away, even if it is as low as \$3.00 per month. In the short space of two years, the cost of an average size PRESTO-UP Garage is paid in full with your rent savings, and you own a first-class building, to say nothing of the extra convenience you enjoyed by having your Garage right at hand. Thousands of "Presto-up" Garages in Use in the City of Chicago.

### WHY?

First—Because the quality of material is extraordinarily good.

Second—The construction is strong, practical and our method of cross-bracing, mortising, re-enforcing

and inter-locking of units is superior to ordinary hand construction. Third—Anyone can erect them. It is a Saturday afternoon's sport to erect a one-car Garage. Easily understood instructions and plans furnished with the building.

### BRIEF SPECIFICATIONS

- No. 1. 4x8 Bottom Sill.
- No. 2. Clear Kiln Dried Oregon Fir Siding.
- No. 3. Strictly No. 1 and Better Framing.
- No. 4. Matched and Beaded Roof Sheathing.
- No. 5. Patented PRESTO-UP Notch-Lock Truss.
- No. 6. 4x6 Grooved Top Wall-Plate.
- No. 7. 15-Year Guaranteed Slate-Coated Roofing, green or red color.
- No. 8. Guaranteed "No-Sag" Countersunk Braced Front Doors, blind-mortised, tenoned, pinned and glued.

- No. 9. No. 1 Quality Side Doors.
  - No. 10. All hardware furnished applied.
  - No. 11. Painted one good coat.
  - No. 12. Rabbeted Storm-Proof Windows.
- Last, but not least, the Garage is shipped to you in convenient size sections. Many of the one-car Garages have been erected in three or four hours by two men of ordinary intelligence. Manufactured exclusively by us. SEND FOR FREE CATALOG—No. 38-AG.

### FREE Presto-Up Garage Book!

Fifty (50) other sizes and many styles to select from. Write for FREE CATALOG—No. 38-AG—and Freight prepaid prices.

**Patented!**  
April 2, 1918—Sept. 3, 1918  
—March 22, 1921. Other  
Patents Pending.



Model "A" Two-Car Garages

Number	Ft. In.	Ft. In.	Price
38-AG-12	16-6	x 18-6	\$225.00
38-AG-14	18-6	x 18-6	238.00
38-AG-16	20-6	x 20-6	266.00

Model "B" One-Car Garages

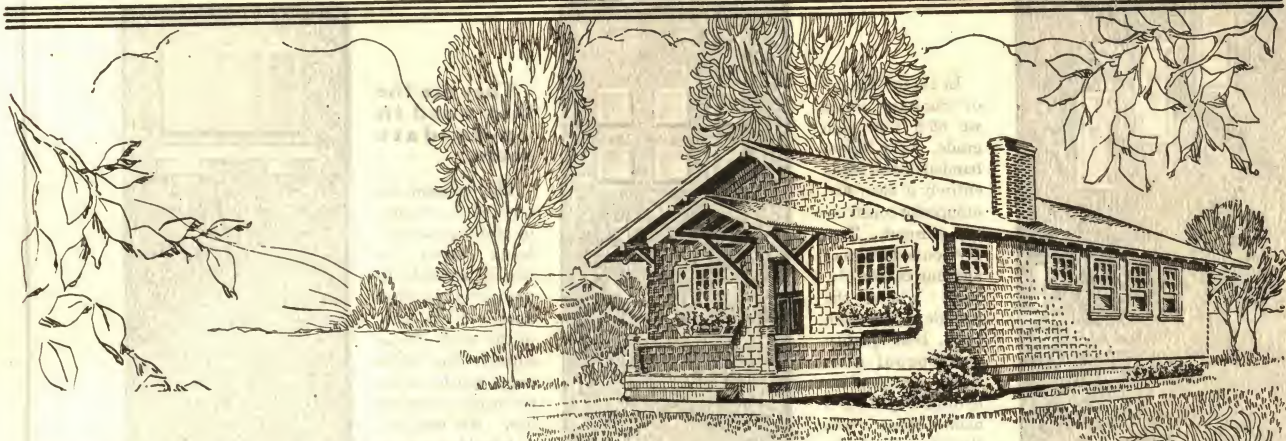
Number	Ft. In.	Ft. In.	Price
38-AG-5	10-6	x 16-6	\$145.00
38-AG-9	12-6	x 18-6	168.00
38-AG-10	12-6	x 20-6	180.00

Model "D" Two-Car Garages

Number	Ft. In.	Ft. In.	Price
38-AG-32	16-6	x 18-6	\$259.00
38-AG-33	18-6	x 18-6	273.00
38-AG-35	20-6	x 20-6	307.00



# BUILDINGS



## BOLT-TOGETHER COTTAGES

### The "Berkley" Presto-Up Cottage

Presto-Up Cottage for lakeside use, or permanent home.  
Size 20'5" x 28'5". Five rooms, bath, closets and porches.  
Price \$1,000.00.

### BUILD YOUR OWN PRESTO-UP

### Presto-Up Cottages and Bungalows Improve Your Property!

"PRESTO-UP" Patented Bolt-Together Cottages and Bungalows are still more wonderful than Presto-Up Garages.

Folks marvel at the excellent material, attractive designs, wonderful construction and simplicity of erection of Presto-Up Garages, described on the opposite page, but Presto-Up Cottages and Bungalows go still farther and reach practically perfection in sectional building art.

Space does not permit enumeration of the many wonderful construction features of these buildings. Our Free Catalog gives in detail, full information. You must, in justice to yourself, get this catalog before taking any definite action.

Presto-Up Cottages and Bungalows have been purchased and are in use by some of the very largest industrial corporations in the United States,—corporations that do not invest their money in "fly-by-night" products, but whose Engineering Department must approve—so you can rest assured that they are a proven product and what we say they are in every respect.

Presto-Up Buildings do not have the appearance of "portable" buildings—no ugly "up and down" battens show, or, in fact, no other evidence that they are sectional. Still they come to you in convenient sections, ready to bolt together, under our patented system, which gives you a building when finished, with concealed joints, many notch-lock features and quality material throughout. Many different types of both inside and outside walls to select from. Suitable for both warm and cold climates. These buildings are all machine and template made. Quality production by satisfied workmen means quantity production at lowest prices—hence, your saving.

Write today for Presto-Up Cottage Catalog No. 38-AH.

### Patented!

April 2, 1918—Sept. 3, 1918—  
March 22, 1921. Other Patents pending.

### Free Presto-Up Cottage Book!

More than 50 other sizes and many styles in the Presto-Up Cottage Book. Ask for Catalog No. 38-AH.



"Shorewood" Lakeside Cottage.  
Four different sizes. Two rooms and larger. Priced at \$300.00 and up.

"Glendale" Lakeside Cottage. Two room up to five room cottages, with screened living porches. Prices \$550.00 and up.

"Orleans" Presto-Up Permanent Bungalow, size 36'-5" x 24'-5", for suburbs or town home. Five rooms, bath, porch and plenty of closets. Price \$1250.00

**HARRIS BROTHERS COMPANY, 35th and Iron Streets, CHICAGO**



# Modern Fir Doors



**Tacoma**

Beautiful veneered doors made for the finest bungalow or residence. Simple in design with perfectly matched slash grain veneer and softwood core.

Hardware shown not included. See Page 55.

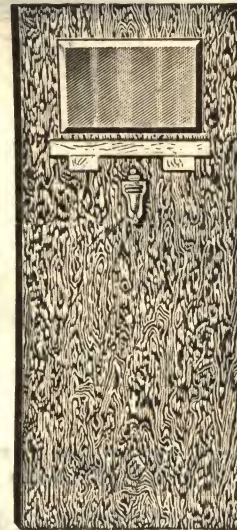
In these "Flush" or "Sanitary" doors we offer you high grade, 5-ply cross-banded doors, made entirely of clear Fir, of superior construction thruout. Two plys outside veneer and one center ply, upon which the outside plys are built, best quality waterproof glue under tremendous hydraulic pressure, makes these doors the "Gem" of the door makers art.



**Vernon**

**They are the last word in up-to-date doors.**

The veneers are selected for beauty of grain, great care being taken to match perfectly to produce a beautiful door in every sense of the word. Firs suitable for white paint finish, either for inside or outside use. We can furnish inside doors to match. Write for prices.

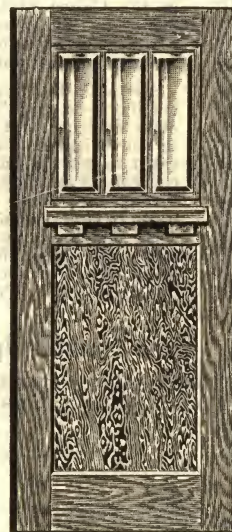


**Roslyn**

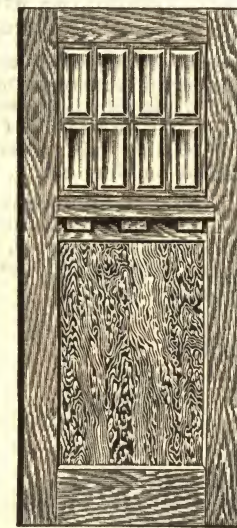
SIZES			VERNON		TACOMA		ROSLYN		Ship.
W. Ht.	Thick-		10-A-1430	10-A-1431	10-A-1432	10-A-1433	10-A-1434	10-A-1435	Wt.
ft. ft.	ness		Glazed Clear	Glazed Beveled	Glazed Clear	Glazed Beveled	Glazed Clear	Glazed Beveled	Lbs.
in. in.	Inches		D. S. A.	Plate	D. S. A.	Plate	D. S. A.	Plate	
2-8x6-8	1 3/4		\$21.30	\$23.55	\$22.15	\$24.10	\$20.10	\$21.89	130
3-0x7-0	1 3/4		22.95	25.20	23.70	25.60	21.75	23.97	150



**Winona**



**Columbia**



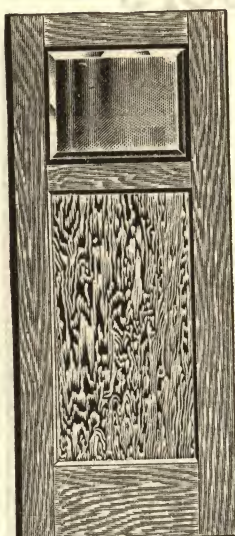
**Victoria**

Here are three beautiful designs especially adapted for the bungalow home. Well made, strong and substantial high grade doors. Clear kiln-dried Fir lumber, solid edge grain stiles and rails. 3-ply laminated panels showing the beautifully figured grain; when properly finished, no one but an expert could distinguish them from the most expensive hardwood doors. Best door values obtainable.

SIZES			WINONA		COLUMBIA		VICTORIA		Shipping
Width	Height	Thickness	10-A-416	10-A-417	10-A-393	10-A-394	10-A-397	10-A-398	Weight
ft. in.	ft. in.		Glazed Clear	Glazed Beveled	Glazed Clear	Glazed Beveled	Glazed Clear	Glazed Beveled	Pounds
			D. S. A.	Plate	D. S. A.	Plate	D. S. A.	Plate	
2-8x6-8		1 3/8 inches	\$6.33	\$12.30	\$7.58	\$13.35	\$8.65	\$15.60	80
3-0x7-0		1 3/8 inches	7.76	14.69	9.01	15.74	10.08	18.09	90
2-8x6-8		1 3/4 inches	8.29	14.36	9.74	15.41	10.71	17.66	95
3-0x7-0		1 3/4 inches	10.40	17.15	11.65	18.30	12.72	20.45	105

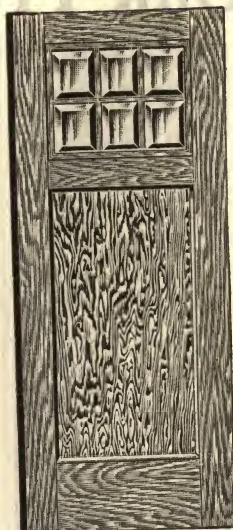


# Standard Designs in Fir



Montesano

These paneled front doors are popular designs suitable for the finest residence. They will harmonize well with practically any type of architecture. Although moderately priced, they have the beautiful appearance of high priced doors.



Salem

These small reproductions of the Montesano, Salem and Aberdeen front doors prevent us from presenting them to you as they will actually appear properly stained and finished in your building. The veneers are selected for beauty of grain. Furnished unfinished (in the white) in order that you may finish them to suit yourself.

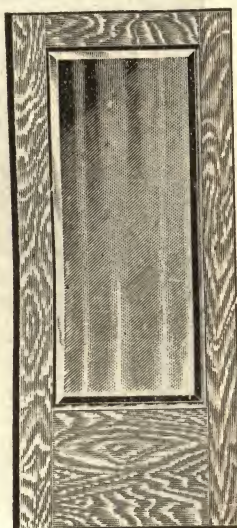


Aberdeen

Hardware shown not included  
See page 55

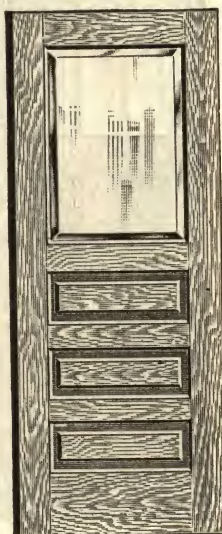
Elegant Craftsman and Mission style front doors designed for bungalows and residences of latest architecture. They are made of old growth soft yellow Fir, with solid quarter-sawn stiles and rails and have beautifully figured, 3-ply laminated slash grain panels. Will take any stain or finish. At the extremely low prices we are offering them you get Hardwood Door values at a Pine price.

SIZES:			MONTESANO		SALEM		ABERDEEN		Shipping Weight Pounds
W'th. ft. in.	H'th. ft. in.	Thickness	10-A-640 Glazed Clear Glass D.S.	10-A-641 Glazed Beveled Plate Glass	10-A-642 Glazed Clear Glass D.S.	10-A-643 Glazed Beveled Plate Glass	10-A-644 Glazed Clear Glass D.S.	10-A-645 Glazed Beveled Plate Glass	
2-8x6-8	1 1/8 inches	1 1/8 inches	\$6.17	\$10.94	\$8.12	\$12.89	\$7.52	\$13.61	75
2-8x7-0	1 1/8 inches	1 1/8 inches	7.13	11.90	9.08	13.85	8.48	14.57	85
3-0x7-0	1 1/8 inches	1 1/8 inches	7.59	13.32	9.54	15.27	8.94	16.99	90
2-8x6-8	1 1/4 inches	1 1/4 inches	8.31	13.08	10.25	15.03	9.65	15.75	85
2-8x7-0	1 1/4 inches	1 1/4 inches	9.66	14.43	11.61	16.38	11.01	17.10	85
3-0x7-0	1 1/4 inches	1 1/4 inches	10.35	16.07	12.30	18.02	11.70	18.80	100



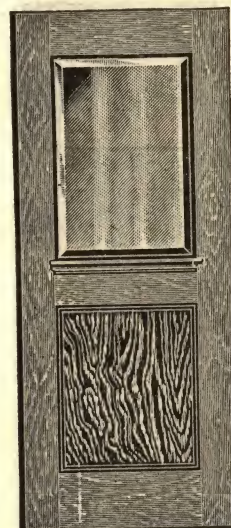
Washington

Carefully selected clear Fir front doors made with quarter-sawn stiles and rails and 3-ply laminated slash grain panels to show the beautiful grain.



California

Finest construction thru-out, smoothly sanded, guaranteed not to warp or twist providing ordinary care is used when received. Ready for paint or stain.



Oregon

SIZES:			WASHINGTON		CALIFORNIA			OREGON			Shipping Weight Pounds
W'th. ft. in.	H'th. ft. in.	Thickness	10-A-378 Glazed Clear Glass D.S.A.	10-A-379 Glazed Bevel Plate Glass	10-A-696 Glazed Clear Glass D.S.A.	10-A-697 Glazed Bevel Plate Glass	10-A-698 Glazed Fancy Lace Design	10-A-381 Glazed Clear Glass D.S.A.	10-A-382 Glazed Bevel Plate Glass	10-A-383 Glazed Fancy Lace Design	
2-6x6-6	1 1/8 inches	1 1/8 inches	\$7.08	\$19.86	\$5.84	\$14.19	\$6.99	\$6.15	\$16.45	\$7.30	95
2-8x6-8	1 1/8 inches	1 1/8 inches	7.43	22.70	5.99	15.56	7.14	6.30	17.00	7.45	105
2-10x6-10	1 1/8 inches	1 1/8 inches	8.82	26.18	6.90	17.82	8.05	7.28	20.55	8.43	115
2-8x7-0	1 1/8 inches	1 1/8 inches	8.78	23.75	6.83	17.10	7.99	7.20	19.58	8.35	115
3-0x7-0	1 1/8 inches	1 1/8 inches	9.40	28.53	7.26	20.76	8.41	7.65	23.18	8.80	120

We can furnish Washington, Pacific or Oregon doors 1 1/4 inches thick at \$2.60 extra, excepting size 2-6x6-6.

**HARRIS BROTHERS COMPANY, 35th and Iron Streets, CHICAGO**



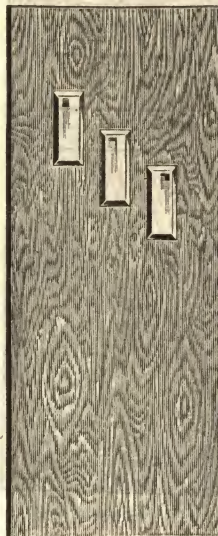
# Oak Front Doors



**Bryant**

Hardware shown not included.  
See page 55.

Up-to-the-minute "Flush" or "Sanitary" doors are very distinctive, and show a beautiful grain. The attractive glazed lights are particularly attractive in beveled plate.



**Tennyson**

In your new home select Tennyson, for the front, Bryant for the vestibule, and Emerson for the interior, and your door installation will be perfection indeed.

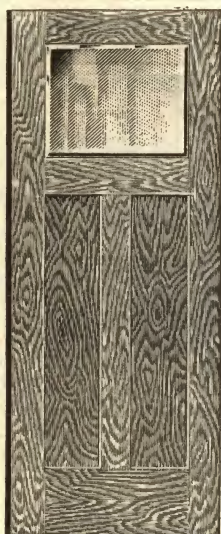


**Emerson**

These doors are really beautiful pieces of furniture when properly finished. They are veneered Red Oak. The veneering process of our flush doors is different; much stronger than a solid paneled door. The regular veneered doors are made 3-ply, whereas the Flush doors are made 5-ply, containing a double layer of veneer on both sides of the core, the inner layer running crosswise, the core itself being protected in double fashion.

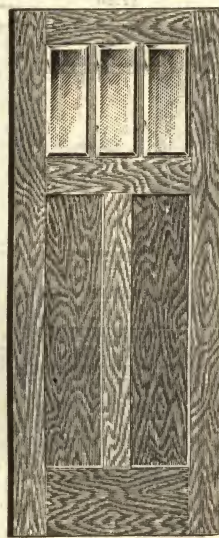
SIZE		BRYANT		TENNYSON		EMERSON	Shipping Weight Pounds
Width	Height	10-A-207 Glazed Clear D. S. A.	10-A-213 Glazed Beveled Plate	10-A-226 Glazed Clear D. S. A.	10-A-227 Glazed Beveled Plate	10-A-234	
2- 8x6- 8	1 1/4 inches	\$18.75	\$24.17	\$19.95	\$24.45	\$14.85	130
3- 0x7- 0	1 1/4 inches	21.23	26.64	22.43	25.85	17.33	150

Only sizes listed carried in stock. Prices on other sizes on application.



**Greenwood**

The Greenwood, Keystone and Rubens Doors, make very neat and substantial front doors and are especially designed for the present style bungalow and residence architecture.



**Keystone**

These doors are made from carefully selected stock, especially selected for its beauty of grain and color. Substantial improved construction is featured in all designs.



**Rubens**

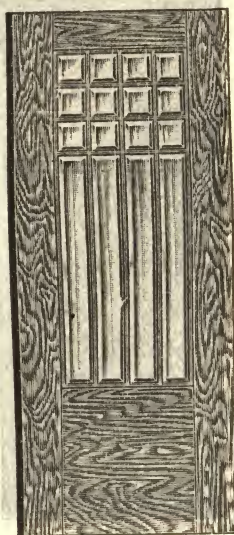
These doors are the Latest Craftsman designs. Veneered in clear red oak, with white pine cores, interlocked and glued, making a door foundation that is the best known today. Over this core or foundation is applied perfected clear Red Oak veneer, a product of oak logs of the very best quality. The panels are glued with waterproof glue. The veneered door properly made is a great deal more desirable than the solid door.

SIZE		GREENWOOD		KEYSTONE		RUBENS		Shipping Weight Pounds
Width, Height	Thickness	10-A-442 Glazed Clear D. S. A.	10-A-443 Glazed Beveled Plate	10-A-447 Glazed Clear D. S. A.	10-A-448 Glazed Beveled Plate	10-A-240 Glazed Clear D. S. A.	10-A-241 Glazed Beveled Plate	
2- 8x6- 8	1 1/4 inches	\$13.88	\$18.53	\$14.75	\$19.36	\$16.64	\$21.17	110
2- 8x7- 0	1 1/4 inches	14.76	19.37	15.63	20.20	17.52	22.01	115
3- 0x7- 0	1 1/4 inches	15.89	21.48	16.76	22.30	18.77	24.12	125

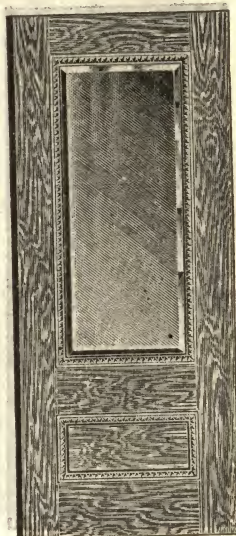
Only sizes listed carried in stock. Prices on other sizes on application.



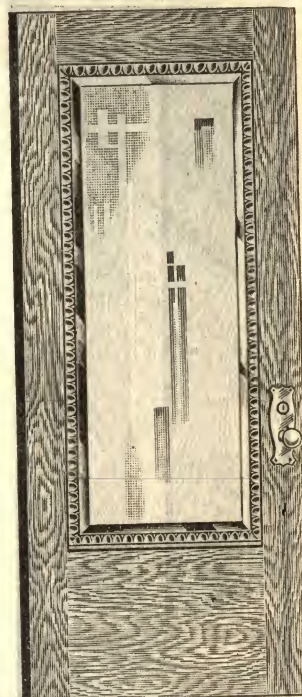
# Oak, Birch and Pine Doors



Shakespeare



Mozart

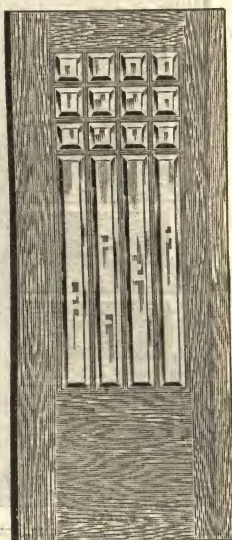


American Beauty  
Hardware shown not included.  
See page 55.

The illustrations of Hardwood Front Doors shown on this page are as near like the original product as pictures can make them. The improved rotary cut veneer process makes the ordinary Birch resemble very closely the higher priced curly birch. In Oak Doors, most people prefer this method of veneering to the finest quarter-sawn oak. But this is not the only modern improvement which distinguishes our veneered doors from the common variety. They are different—built better.

are different—built better.

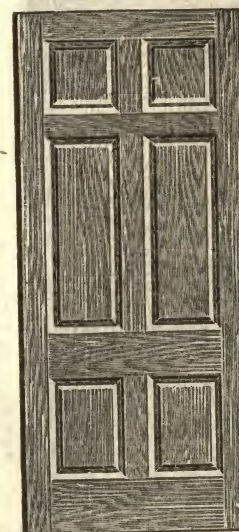
1 1/4 Inch Thick		SHAKESPEARE				MOZART				AMERICAN BEAUTY				Shipping Weight Pounds				
		Red Oak		Northern Birch		Red Oak		Northern Birch		Red Oak		Northern Birch						
		No. 10-A-217 Glazed Clear D.S.A.	No. 10-A-218 Glazed Beveled Plate	No. 10-A-219 Glazed Clear D.S.A.	No. 10-A-220 Glazed Beveled Plate	No. 10-A-264 Glazed Clear D.S.A.	No. 10-A-266 Glazed Beveled Plate	No. 10-A-740 Glazed Clear D.S.A.	No. 10-A-741 Glazed Beveled Plate	No. 10-A-1 Glazed Clear D.S.A.	No. 10-A-3 Glazed Beveled Plate	No. 10-A-251 Glazed Clear D.S.A.	No. 10-A-253 Glazed Beveled Plate					
SIZES	Width	Height																
	2 ft.	8 in.	x	6 ft.	8 in.	\$17.33	\$34.58	\$15.23	\$32.36	\$13.95	\$23.70	\$12.06	\$21.76	\$11.09	\$23.09	\$ 9.53	\$21.68	130
	2 ft.	10 in.	x	6 ft.	10 in.	18.12	35.37	16.01	33.28	14.22	25.47	12.31	23.42	11.78	25.92	10.42	24.41	140
	2 ft.	8 in.	x	7 ft.	0 in.	18.21	36.42	16.14	34.87	14.27	25.07	12.39	23.10	11.86	26.86	10.61	25.36	145
	2 ft.	10 in.	x	7 ft.	0 in.	18.76	36.76	16.87	34.95	14.86	26.56	12.91	24.60	12.14	26.79	10.87	25.20	150
	3 ft.	0 in.	x	7 ft.	0 in.	19.54	37.72	17.49	35.61	16.22	28.97	14.36	29.08	12.68	29.14	11.41	27.83	155



Whittier



Honeysuckle



Colonial

Clear soft white pine front doors. Cannot be equalled for long service under most severe weather conditions, strictly first-class, a door of the highest rank at lowest prices.

1 1/4 Inches Thick		WHITTIER—1 1/4" thick		HONEYSUCKLE—1 1/4" thick		COLONIAL—1 1/4"	Shipping Weight Pounds
		10-A-817 Glazed Clear D.S.A.	10-A-818 Glazed Beveled Plate	10-A-15 Glazed Clear D.S.A.	10-A-16 Glazed Beveled Plate	10-A-324	
Width	Height						
2 ft. 6 in.	6 ft. 6 in.			\$7.01	\$19.64		70
2 ft. 8 in.	6 ft. 8 in.	\$14.33	\$32.06	7.26	22.52	\$8.31	75
2 ft. 10 in.	6 ft. 10 in.			8.10	25.44		80
2 ft. 8 in.	7 ft. 0 in.	15.09	34.04	8.01	23.01		85
3 ft. 0 in.	7 ft. 0 in.	15.66	34.37	8.42	27.59	9.62	90

"Honeysuckle" Door can be furnished 1 1/4 in. thick at \$2.60 additional.

HARRIS BROTHERS COMPANY. 35th and Iron Streets, CHICAGO

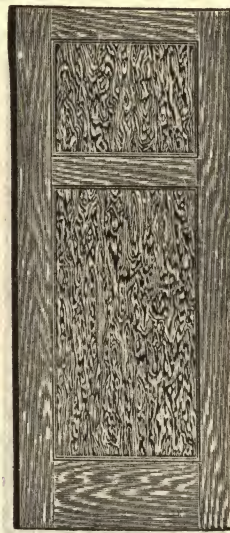


# Clear Fir Interior Doors



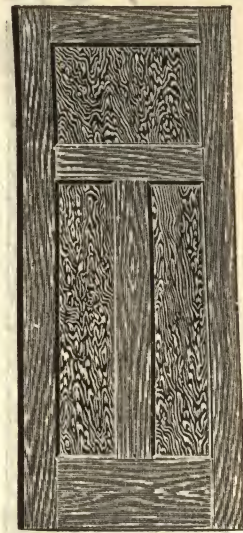
Alberta

Beautiful designs in clear Fir interior doors of superior quality. You'll be able to use these doors to advantage particularly where either Colonial or Modern style of architecture is desired.



Everett

They can be finished in natural wood, stained any color, or painted in Colonial White with perfect satisfaction. They are made to match front doors of similar design in this book.



Rainier

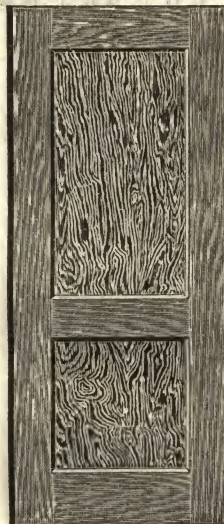
These doors are of superior manufacture, being made with the solid edge Grain Stiles and Rails and with beautifully figured Slash Grain 3-ply laminated veneered Panels, guaranteed the best doors of their kind obtainable.

Sizes	ALBERTA	Shipping Weight	Sizes	EVERETT	Shipping Weight	Sizes	RAINIER	Shipping Weight
Width Height	10-A-1921 1 1/4 Ins. Thick		Width Height	10-A-1919 1 1/4 Ins. Thick		Width Height	10-A-1917 1 1/4 Ins. Thick	
2-0x6-0	\$4.80	28	2-0x6-0	\$4.68	28	2-0x6-0	\$4.68	28
2-0x6-6	5.36	30	2-0x6-6	5.23	30	2-0x6-6	5.23	30
2-4x6-6	5.36	30	2-4x6-6	5.23	30	2-4x6-6	5.23	30
2-6x6-6	5.44	34	2-6x6-6	5.30	34	2-6x6-6	5.30	34
2-0x6-8	5.48	32	2-0x6-8	5.34	32	2-0x6-8	5.34	32
2-4x6-8	5.48	34	2-4x6-8	5.34	34	2-4x6-8	5.34	34
2-6x6-8	5.56	36	2-6x6-8	5.42	36	2-6x6-8	5.42	36
2-8x6-8	5.60	38	2-8x6-8	5.46	38	2-8x6-8	5.46	38
2-0x7-0	6.36	36	2-0x7-0	6.20	36	2-0x7-0	6.20	36
2-4x7-0	6.36	38	2-4x7-0	6.20	38	2-4x7-0	6.20	38
2-6x7-0	6.40	40	2-6x7-0	6.24	40	2-6x7-0	6.24	40
2-8x7-0	6.56	42	2-8x7-0	6.40	42	2-8x7-0	6.40	42
3-0x7-0	7.04	46	3-0x7-0	6.86	46	3-0x7-0	6.86	46



Olympia

These handsome clear fir doors are made with straight grain stiles and rails, which are best for strength, and with slash grain panels, best for beauty, thus forming a rare combination of durability and style.

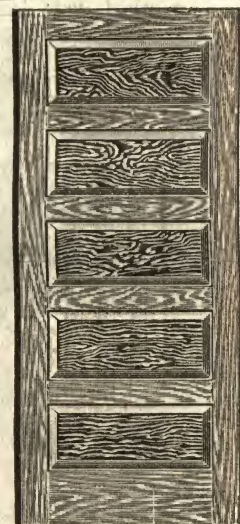


Seattle

Panels in the 1 and 2 panel doors are 3-ply laminated veneered fir panels.

Panels in the 5-cross panel doors are solid fir panels, raised as shown in illustration.

**Portland Doors**  
1 1/4 inches Thick,  
add \$2.60.



Portland

Sizes	OLYMPIA	Shipping Weight	Sizes	SEATTLE	Shipping Weight	Sizes	PORTLAND	Shipping Weight
Width Height	10-A-327 1 1/4 Ins. Thick		Width Height	10-A-326 1 1/4 Ins. Thick		Width Height	10-A-325 1 1/4 Ins. Thick	
2-0x6-0	\$4.68	28	2-0x6-0	\$4.32	28	2-0x6-0	\$4.20	28
2-0x6-6	5.23	30	2-0x6-6	4.82	30	2-0x6-6	4.69	30
2-4x6-6	5.23	30	2-4x6-6	4.82	30	2-4x6-6	4.69	30
2-6x6-6	5.30	34	2-6x6-6	4.90	34	2-6x6-6	4.76	34
2-0x6-8	5.34	32	2-0x6-8	4.92	32	2-0x6-8	4.80	32
2-4x6-8	5.34	34	2-4x6-8	4.92	34	2-4x6-8	4.80	34
2-6x6-8	5.42	36	2-6x6-8	4.99	36	2-6x6-8	4.87	36
2-8x6-8	5.46	38	2-8x6-8	5.04	38	2-8x6-8	4.90	38
2-10x6-10	6.47	40	2-10x6-10	5.98	40	2-10x6-10	5.81	40
2-0x7-0	6.20	36	2-0x7-0	5.72	36	2-0x7-0	5.57	36
2-4x7-0	6.20	38	2-4x7-0	5.72	38	2-4x7-0	5.57	38
2-6x7-0	6.24	40	2-6x7-0	5.76	40	2-6x7-0	5.60	40
2-8x7-0	6.40	42	2-8x7-0	5.90	42	2-8x7-0	5.74	42
3-0x7-0	6.86	46	3-0x7-0	6.34	46	3-0x7-0	6.16	46



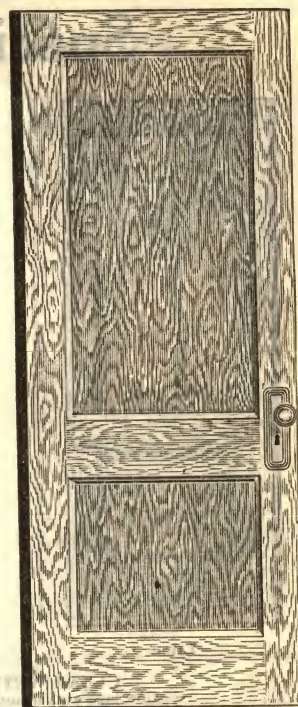
# Oak and Birch Doors



Kenwood



Roseland



Elite

The stiles, rails, and panels in all these doors are laminated, that is, built up from two outside plies of veneer selected for beauty of grain, and a center core, the grain of the core running in opposite directions. Thus one layer strengthens the other layer next to it and the result is the permanent, extra strong panel.

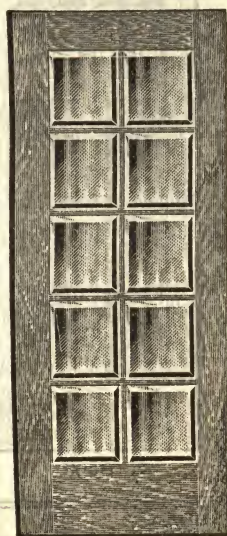
Only the highest grade of workmanship goes into our Oak and Birch doors. They are as beautifully flaked and figured as the front doors, therefore, will permit the finishing in the natural wood. Birch is especially suitable for staining to imitate mahogany. Suitable for finest residences.

Hardware shown not included.

See page 55.

The Birch Doors being made from a naturally close grained wood will take the finest eggshell and white enamel finish. Guaranteed interlocking core construction. In Veneered Red Oak and Northern Birch.

Be Sure to State Thickness					Be Sure to State Thickness					ROSELAND					KENWOOD					Shipping Weight Pounds
ELITE					ROSELAND					KENWOOD										
Red Oak No. 10-A-9					Northern Birch No. 10-A-10					Red Oak only No. 10-A-7					Red Oak No. 10-A-335 Northern Birch No. 10-A-336					
SIZES					SIZES					SIZES					SIZES					
Width Ft. In.	Height Ft. In.	1 1/4-inch thick	1 1/2-inch thick	1 3/4-inch thick	Width Ft. In.	Height Ft. In.	1 1/4-inch thick	1 1/2-inch thick	1 3/4-inch thick	Width Ft. In.	Height Ft. In.	1 1/4-inch thick	1 1/2-inch thick	1 3/4-inch thick	Width Ft. In.	Height Ft. In.	1 1/4-inch thick	1 1/2-inch thick	1 3/4-inch thick	
2-0 x 6-0		\$ 9.44		\$ 7.32	2-0 x 6-0		\$ 8.84		\$ 8.84	2-0 x 6-0		\$ 11.54		\$ 9.32					55	
2-0 x 6-6		9.65		7.48	2-0 x 6-6		9.05		9.05	2-0 x 6-6		11.75		9.48					60	
2-4 x 6-6		10.13		7.86	2-4 x 6-6		9.53		9.53	2-4 x 6-6		12.23		9.86					62	
2-6 x 6-6		10.47		8.13	2-6 x 6-6		9.87		9.87	2-6 x 6-6		12.57		10.13					77	
2-0 x 6-8		9.71		7.53	2-0 x 6-8		9.11		9.11	2-0 x 6-8		11.81		9.53					79	
2-2 x 6-8		9.92		7.69	2-2 x 6-8		9.32		9.32	2-2 x 6-8		12.02		9.69					80	
2-4 x 6-8		10.19		7.90	2-4 x 6-8		9.59		9.59	2-4 x 6-8		12.29		9.90					82	
2-6 x 6-8		10.53		8.17	2-6 x 6-8		9.93		9.93	2-6 x 6-8		12.63		10.17					84	
2-8 x 6-8		10.95		8.50	2-8 x 6-8		10.35		10.35	2-8 x 6-8		13.05		10.50					86	
2-10 x 6-10		11.91		9.25	2-10 x 6-10		11.31		11.31	2-10 x 6-10		14.01		11.25					90	
2-0 x 7-0		10.53		8.17	2-0 x 7-0		9.93		9.93	2-0 x 7-0		12.63		10.17					85	
2-2 x 7-0		10.74		8.34	2-2 x 7-0		10.14		10.14	2-2 x 7-0		13.13		10.34					88	
2-4 x 7-0		11.03		8.55	2-4 x 7-0		10.43		10.43	2-4 x 7-0		13.47		10.55					90	
2-6 x 7-0		11.37		8.82	2-6 x 7-0		10.77		10.77	2-6 x 7-0		13.88		10.82					95	
2-8 x 7-0		11.78		9.15	2-8 x 7-0		11.18		11.18	2-8 x 7-0		14.36		11.15					100	
2-10 x 7-0		12.26		9.52	2-10 x 7-0		11.66		11.66	2-10 x 7-0		14.91		11.52					105	
3-0 x 7-0		12.81		9.96	3-0 x 7-0		12.21		12.21	3-0 x 7-0				11.96					110	



Virginia

## Fine Colonial and French Front

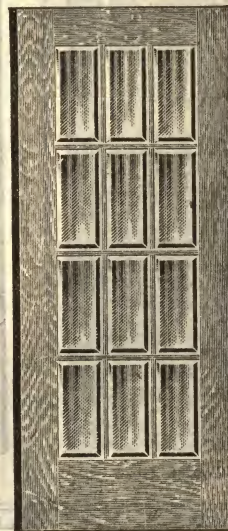
Clear, kiln dried white pine lumber, perfectly manufactured. The division bars are extra heavy and are mortised into the stiles and rails, making them exceptionally strong. The stiles and top rails are 5 1/4 inches wide, while the bottom rail is 1 1/4 inches wide. The glass is held in place with wood stops, not with putty.



Carolina

## Doors of Clear Soft White Pine

Colonial and French Doors representing the very latest in French, Balcony and Vestibule Doors. You'll also find them very desirable for sun parlors and sleeping porches, and where plenty of light is wanted. Never in the history of house building have our sales on this item been as great as at present—there's a reason—real quality.

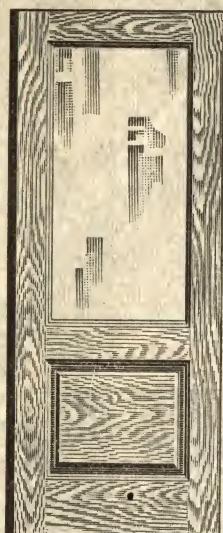


Maryland

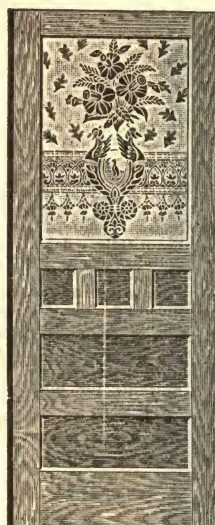
Sizes		Thickness	VIRGINIA		CAROLINA		MARYLAND		Shipping Weight Pounds
			10-A-1150	10-A-1151	10-A-1152	10-A-1153	10-A-1154	10-A-1155	
			Glazed D.S.A.	Gl. Beveled Plate	Glazed D.S.A.	Gl. Beveled Plate	Glazed D.S.A.	Gl. Beveled Plate	
2-8 x 6-8	1 1/4 inches		\$ 9.15	\$26.55	\$ 9.63	\$26.24	\$ 9.51	\$24.53	90
2-8 x 7-0			9.66	30.15	10.14	29.95	10.38	27.75	100
3-0 x 7-0			9.89	30.30	10.32	30.10	10.52	29.96	100
2-8 x 6-8	1 1/2 inches		12.20	29.60	12.71	29.45	12.63	27.65	100
2-8 x 7-0			12.86	33.35	13.43	33.10	13.79	31.16	115
3-0 x 7-0			13.23	33.65	13.81	33.52	13.96	33.41	115



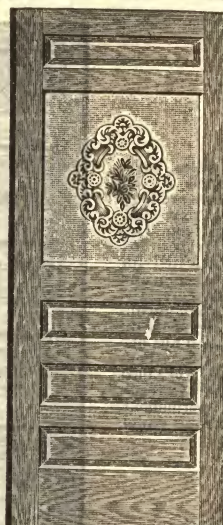
# Special Values for Home Builders



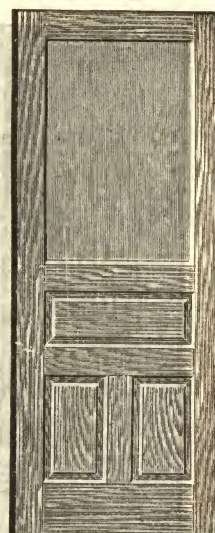
Lilac



Violet



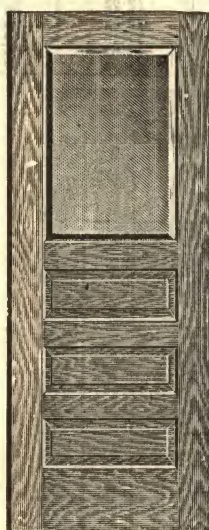
Mignonette



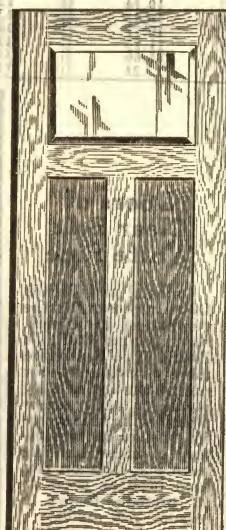
Tulip

CLEAR WHITE PINE DOORS in neat paneled styles with clear double strength plain glass or with combination lace and scenic lights. Will finish splendidly in varnish, paint or enamel. First quality doors throughout, solid panels as shown. All sizes, with exception of 2-6x6-6, can be furnished 1 3/4" thick at \$2.60 additional.

SIZES			LILAC		VIOLET		MIGNONETTE		TULIP		Shipping Weight Pounds
W'th. ft. in.	H't. ft. in.	Thickness	10-A-408 Glazed D. S. A. as shown	10-A-409 Glazed 1 1-2 in. Bevel Plate	10-A-36 Glazed Clear D. S. A.	10-A-37 Glazed Flower Design as shown	10-A-32 Glazed Clear D. S. A.	10-A-33 Glazed Lace Design as shown	10-A-40 Glazed Clear D. S. A.	10-A-388 Glazed Florentine Glass. Obscure	
2- 6x6- 6		1 1/4 inches	\$6.18	\$15.17	\$6.04	\$7.24	\$5.79	\$6.99	\$5.49	\$6.93	70
2- 8x6- 8		1 1/4 inches	6.44	16.83	6.34	7.54	6.09	7.29	5.70	7.52	75
2-10x6-10		1 1/4 inches	7.04	18.71	7.01	8.21	6.68	7.88	6.35	8.36	80
2- 8x7- 0		1 1/4 inches	6.98	18.36	6.90	8.10	6.59	7.79	6.24	8.18	80
3- 0x7- 0		1 1/4 inches	7.44	20.55	7.35	8.55	7.01	8.21	6.69	8.96	90



Golden Glow

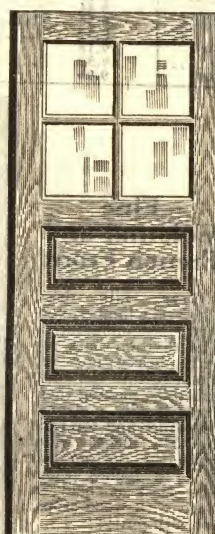


Peony

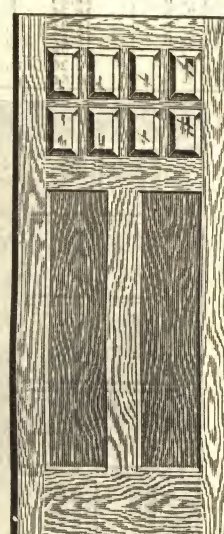
## White Pine Front Doors

In this quartet of first quality clear soft pine doors we present unmatched values. Neat glazed effects, practical and substantial. Take any finish—varnish, paint or enamel.

All doors are, of course, first quality of clear kiln-dried lumber thruout—solid panels as shown. All sizes, with exception of 2-6x6-6, can be furnished 1 3/4" thick at \$2.60 additional.



Aster

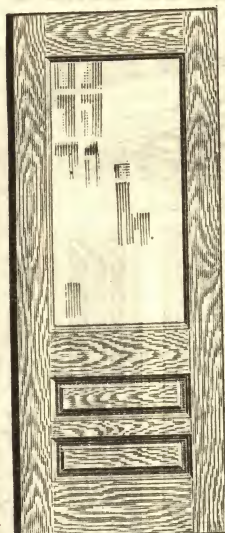


Holly

SIZES			GOLDEN GLOW		PEONY		ASTER		HOLLY		Shipping Weight Pounds
W'th. ft. in.	H't. ft. in.	Thickness	10-A-333 Glazed Clear D. S. A.	10-A-334 Glazed Bevel Plate	10-A-445 Glazed Clear D. S. A.	10-A-446 Glazed Bevel Plate	10-A-328 Glazed D. S. A. as shown	10-A-329 Glazed Clear Florentine	10-A-411 Glazed Plain D. S. A.	10-A-412 Glazed Lead Bevel Plate as shown	
2- 6x6- 6		1 1/4 inches	\$5.63	\$13.20	\$6.46	\$11.19	\$6.76	\$7.64	\$8.16	\$15.52	70
2- 8x6- 8		1 1/4 inches	5.96	15.12	6.57	11.34	6.96	7.84	8.27	15.64	75
2-10x6-10		1 1/4 inches	6.50	16.86	7.17	12.33	7.17	8.05	8.87	16.44	85
2- 8x7- 0		1 1/4 inches	6.39	16.58	7.13	11.90	7.40	8.28	8.83	16.41	80
3- 0x7- 0		1 1/4 inches	6.92	18.44	7.50	13.32	7.70	8.58	9.20	17.07	90



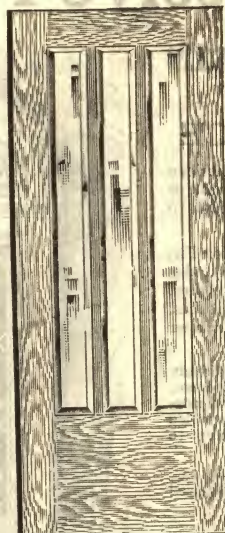
# White Pine Front and Inside Doors



Iris

Here are some attractive new designs of beautiful front doors made of clear soft white pine. Any one of them will add a touch of good taste to the entrance of any home.

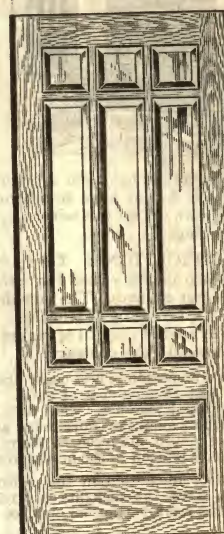
These doors can be furnished 1 3/4" thick, with exception of 2-6x6-6, at \$2.60 additional.



Phlox

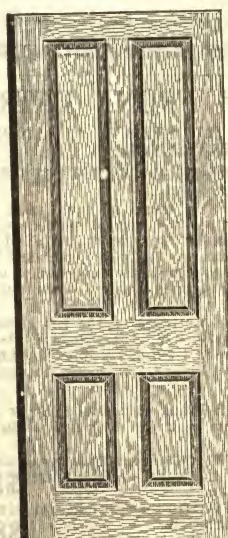
## A-1 Quality Throughout

Solidly built of carefully selected thoroughly seasoned lumber and securely put together to endure. Take paint or any finish perfectly.



Pansy

1 1/2 Inch Thick SIZES Width Height ft. in. ft. in.	IRIS		PHLOX		PANSY		Shipping Weight Pounds
	No. 10-A-627 Glazed Clear D. S. A.	No. 10-A-628 Glazed Beveled Plate	No. 10-A-638 Glazed Clear D. S. A.	No. 10-A-639 Glazed Beveled Plate	No. 10-A-523 Glazed Clear D. S. A.	No. 10-A-524 Glazed Beveled Plate	
2-6x6-6	\$5.78	\$14.97	\$7.68	\$23.12	\$9.02	\$20.94	30
2-8x6-8	5.94	16.49	8.15	23.91	9.19	21.09	32
2-10x6-10	6.35	18.39	8.91	26.09	9.42	22.85	34
2-8x7-0	6.27	17.95	8.85	30.17	9.36	25.61	36
3-0x7-0	6.54	20.64	9.23	30.39	9.64	27.47	38



No. 10-A56

## Clear White Pine Panel Doors

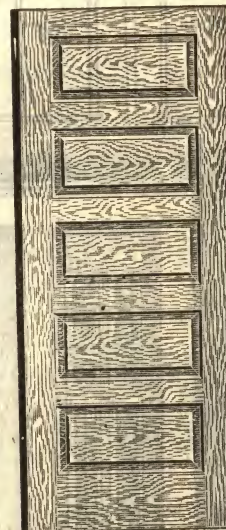
These are the old standbys—white pine all the way through—no yellow pine panels to shrink and crack—best quality only. Why buy a cheaper grade when the difference in price is only a few cents?



No. 10-A57

## A-1 Quality Only

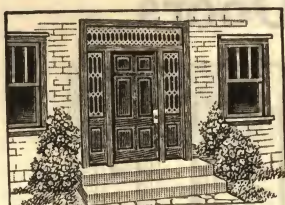
Made with extra strong joints, mortised and tenoned. Doors designated as "A" quality mean that they are made of best, clear selected stock suitable for any style of finish. Three standard panel designs of highest quality.



No. 10-A59

SIZES Ft.In. Ft.In.		Thickness, In.	"A" Quality	Ship Wt. Lbs.	SIZES Ft.In. Ft.In.		Thickness In.	"A" Quality	Ship Wt. Lbs.	SIZES Ft.In. Ft.In.		Thickness In.	"A" Quality	Ship Wt. Lbs.
2-0	x 6-0	1 1/2	\$4.16	28	2-0	x 6-0	1 1/2	\$4.18	28	2-0	x 6-0	1 1/2	\$4.21	28
2-0	x 6-6	1 1/2	4.37	30	2-0	x 6-6	1 1/2	4.39	30	2-0	x 6-6	1 1/2	4.42	30
2-4	x 6-6	1 1/2	4.83	32	2-4	x 6-6	1 1/2	4.85	32	2-4	x 6-6	1 1/2	4.88	32
2-6	x 6-6	1 1/2	5.07	34	2-6	x 6-6	1 1/2	5.09	34	2-6	x 6-6	1 1/2	5.12	34
2-0	x 6-8	1 1/2	4.44	34	2-0	x 6-8	1 1/2	4.46	34	2-0	x 6-8	1 1/2	4.49	34
2-4	x 6-8	1 1/2	4.94	36	2-4	x 6-8	1 1/2	4.96	36	2-4	x 6-8	1 1/2	4.99	36
2-6	x 6-8	1 1/2	5.15	38	2-6	x 6-8	1 1/2	5.17	38	2-6	x 6-8	1 1/2	5.20	38
2-8	x 6-8	1 1/2	5.40	40	2-8	x 6-8	1 1/2	5.42	40	2-8	x 6-8	1 1/2	5.45	40
2-10	x 6-10	1 1/2	6.00	40	2-10	x 6-10	1 1/2	6.02	40	2-10	x 6-10	1 1/2	6.05	40
2-0	x 7-0	1 1/2	4.83	36	2-0	x 7-0	1 1/2	4.85	36	2-0	x 7-0	1 1/2	4.88	36
2-4	x 7-0	1 1/2	5.33	38	2-4	x 7-0	1 1/2	5.35	38	2-4	x 7-0	1 1/2	5.38	38
2-6	x 7-0	1 1/2	5.57	40	2-6	x 7-0	1 1/2	5.59	40	2-6	x 7-0	1 1/2	5.62	40
2-8	x 7-0	1 1/2	5.82	42	2-8	x 7-0	1 1/2	5.84	42	2-8	x 7-0	1 1/2	5.87	42
2-10	x 7-0	1 1/2	6.35	46	2-10	x 7-0	1 1/2	6.37	46	2-10	x 7-0	1 1/2	6.40	46
2-0	x 6-8	1 1/2	7.68	50	2-0	x 6-8	1 1/2	7.70	50	2-0	x 6-8	1 1/2	7.75	50
2-4	x 6-8	1 1/2	8.51	54	2-4	x 6-8	1 1/2	8.53	54	2-4	x 6-8	1 1/2	8.58	54
2-6	x 6-8	1 1/2	8.26	54	2-6	x 6-8	1 1/2	8.28	54	2-6	x 6-8	1 1/2	8.34	54
2-8	x 7-0	1 1/2	8.97	58	2-8	x 7-0	1 1/2	8.99	58	2-8	x 7-0	1 1/2	9.04	58





# Impressive Front Entrances

## "COLONIAL" FRONT ENTRANCE

This entrance has been a favorite with many high class American homes. You do not have to adhere to the style of door, sidelights or transom shown. You can select any other design shown in this book to fit the openings.

**SPECIFICATIONS:** The frame is hand made of Clear Oregon Fir, a wood which is best suited for exterior use because it stands up under severe weather changes. The outside casing is  $1\frac{1}{2}$  inches by  $4\frac{1}{4}$  inches. The sill is  $1\frac{1}{4}$  inches by  $7\frac{1}{2}$  inches. Jambs are  $1\frac{1}{2}$  inches by  $5\frac{1}{4}$  inches, rabbeted to receive doors  $1\frac{3}{4}$  inches thick and furnished in this manner unless ordered to the contrary.

The workmanship is first class; finely finished and smoothly sanded ready to receive first priming coat of paint. The frame is shipped knocked down, but ready to put together. That part of the frame above the door and sidelights, which includes the transom bar and head jamb, is completely assembled and reaches you in one piece, so there is very little work necessary except to nail the jambs and sill to the head and the frame is complete.

The door illustrated in this Entrance is our "Colonial" 3-0x7-0, 1 $\frac{1}{4}$ , No. 10-A-324, the sidelights each 1-2x7-0, 1 $\frac{1}{4}$ , our No. 10-A-205 glazed Leaded Glass and the transom our No. 10-A-407.

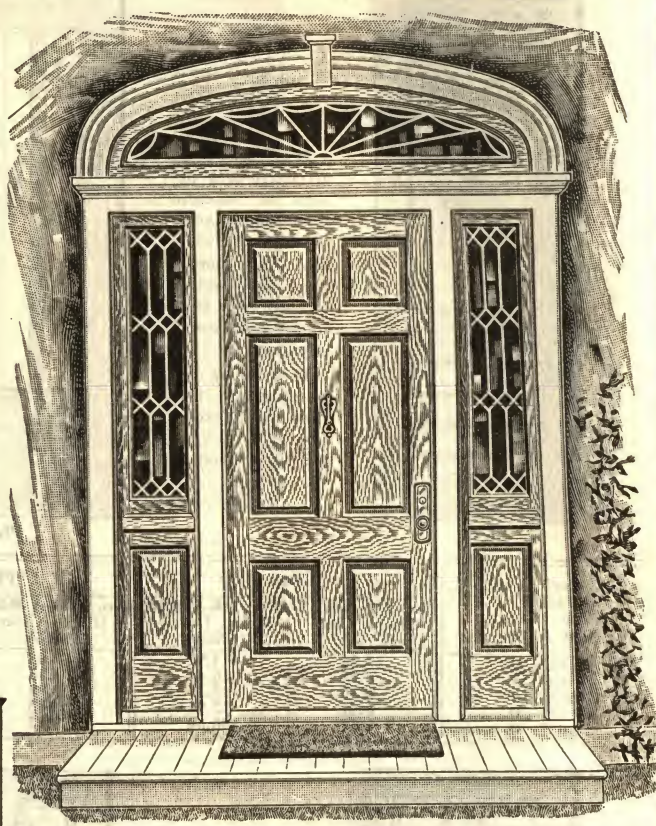
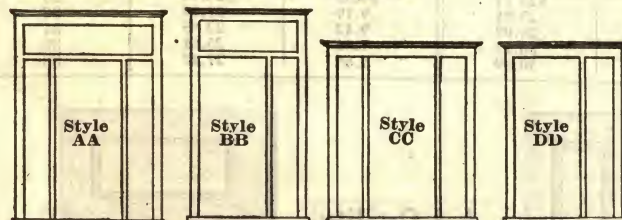
### Prices of Frame Only

No. 10-A-360. COLONIAL Entrance frame only. Price.....\$28.75

Shipping Weight approximately 160 pounds.

No. 10-A-365. COLONIAL Front Entrance, complete with door, sidelights and transom as shown in cut to the right. Price—Hardware not included.....\$76.70

Shipping Weight 290 pounds.



## "ENGLEWOOD" FRONT ENTRANCE AT THE LEFT WE ILLUSTRATE A HANDSOME ENTRANCE

Made of the same excellent quality of material and workmanship as the above throughout.

**SPECIFICATIONS:** The frame is hand made of Clear Oregon Fir, a wood which is best for external use because it stands up under severe weather changes. The outside casing is  $1\frac{1}{2}$ "x $4\frac{1}{4}$ ". The sill is  $1\frac{1}{4}$ "x $7\frac{1}{2}$ ". Jambs are  $1\frac{1}{2}$ "x $5\frac{1}{4}$ ", rabbeted to receive doors  $1\frac{3}{4}$ " thick and furnished in this manner unless ordered to the contrary. The frame is shipped knocked down and perfectly fitted ready to nail together.

The door shown in the Entrance to the left is our Shakespear No. 10-A-218, 3-0x7-0, 1 $\frac{1}{4}$ . Clear Red Oak glazed Bevel Plate Glass, the sidelights, each 1-2x7-0, 1 $\frac{1}{4}$ , our No. 10-A-405 Clear Red Oak Glazed Bevel Plate Glass, shown on pages 11 and 17 respectively.

We can furnish this Entrance with either one or two sidelights and also with transom over the door and sidelights. See diagram above.

No. 10-A-405. ENGLEWOOD Front Entrance, complete, per specifications above glazed in Clear Double Strength Glass. Price.....\$55.67

No. 10-A-410. ENGLEWOOD Front Entrance glazed with Clear Bevel Plate as shown in illustration. Price.....\$85.75

Shipping Weight approximately 320 pounds.

Prices do not include hardware. For price on frames only, see below.

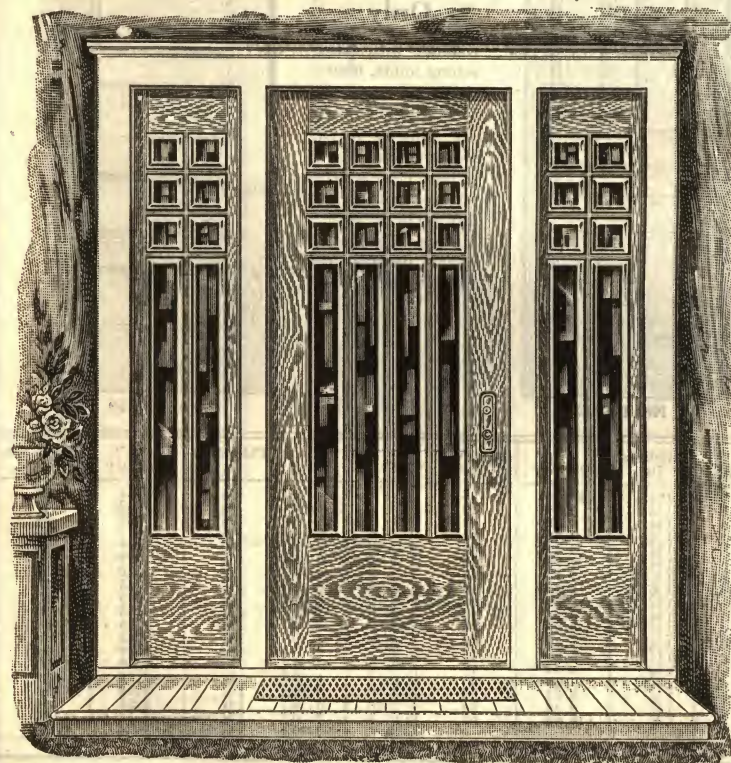
### FRONT ENTRANCE FRAMES

**SPECIFICATIONS:** For wood buildings, our frames are made with Crown Mould Cap Head,  $1\frac{1}{2}$ "x $4\frac{1}{4}$ " outside Casing,  $1\frac{1}{2}$ "x $5\frac{1}{4}$ " Jamb,  $1\frac{1}{4}$ "x $7\frac{1}{2}$ " Sill. For brick building where the wall is 13 inches thick our frames are made with  $1\frac{1}{4}$ "x $10\frac{1}{4}$ " Jamb and  $1\frac{1}{4}$ "x2" Brick Moulding.

Prices below cover frames only, with door opening up to 3 ft. x 7 ft.; Sidelight opening up to 1 ft. 2"x7 ft. and transom opening up to 18 inches high. All frames are shipped knocked down ready to put together.

Style of Frame	For Wood Building	Price	For 13-inch Brick Wall	Price
"AA"	10-A-450	\$13.25	10-A-452	\$15.95
"BB"	10-A-470	12.95	10-A-474	14.80
"CC"	10-A-460	11.75	10-A-464	13.75
"DD"	10-A-480	9.95	10-A-484	11.65

Oak Frames for 13-inch Brick Wall, 50% Extra.





# Sidelights and Transoms

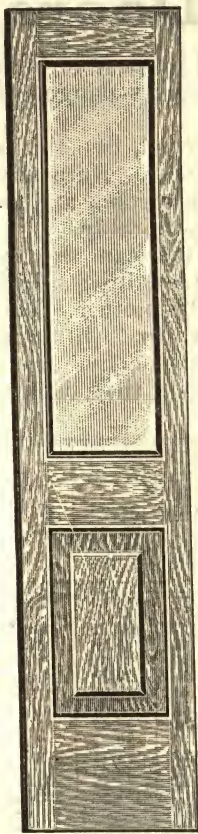
**Please Read!**

Made from "A quality" clear soft pine, clear red oak and clear northern birch. Sidelight No. 10-A-205 can be furnished with leaded glass like No. 10-A-209. We also furnish sidelight No. 10-A-209 glazed plain (not leaded) either double strength glass or bevel plate.

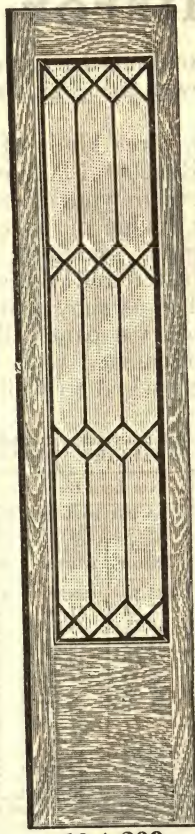
White Pine 1 1/4 inches thick  
Oak and Birch 1 1/4 inches thick

Number	Wood	Glazing	Size	Price
10-A-205	White Pine	Plain	1- 2x6- 8	\$3.98
		D. S. A.	1- 2x7- 0	4.17
		Like No.	1- 2x6- 8	6.53
		10-A-209	1- 2x7- 0	6.72
10-A-209	White Pine	Plain	1- 2x6- 8	4.58
		D. S. A.	1- 2x7- 0	5.07
		Leaded as Shown	1- 2x6- 8	7.58
			1- 2x7- 0	8.07
10-A-403	Red Oak	Clear	1- 2x6- 8	7.65
		D. S. A.	1- 2x7- 0	8.22
		Beveled Plate	1- 2x6- 8	13.53
			1- 2x7- 0	14.46
10-A-405	Red Oak	Clear	1- 2x6- 8	11.25
		D. S. A.	1- 2x7- 0	12.19
		Beveled Plate	1- 2x6- 8	17.22
			1- 2x7- 0	18.14

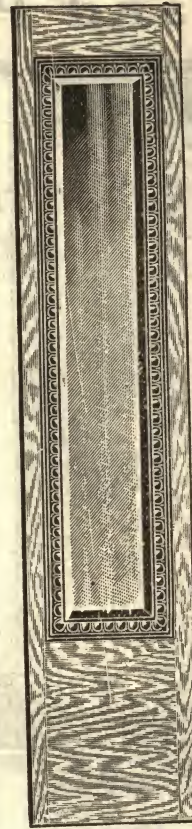
Sidelight No. 10-A-405 furnished in white pine 1 1/4 thick to match Whittier door at \$2.00 less than oak price.  
Sidelights can be furnished to match Virginia, Carolina and Maryland Doors. Write for prices.



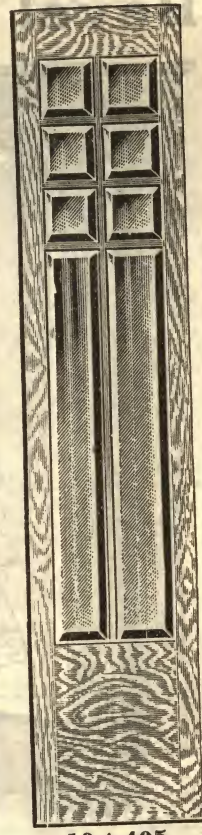
10-A-205



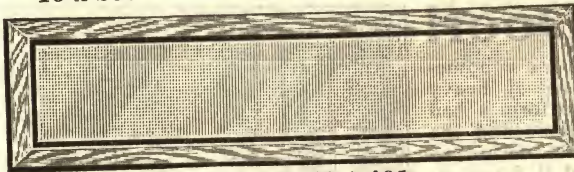
10-A-209



10-A-403



10-A-405



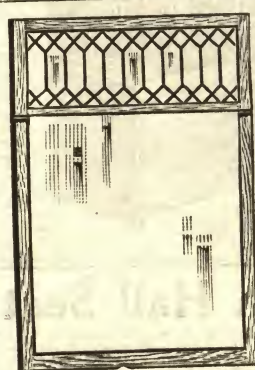
Transom No. 10-A-401



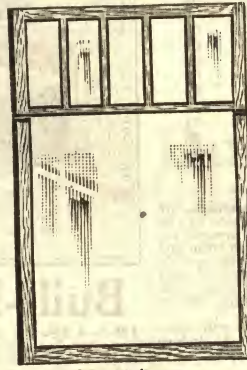
Transom No. 10-A-407

Transom No. 10-A-407 can be furnished glazed leaded beveled plate. Write for prices.

SIZES 1 1/4 Inch Thick	10-A-401				10-A-407	
	White Pine		Oak or Birch		Leaded Cryst. White Pine	Glazed Clear D. S. Glass
	Gl. 1 Lt. D. S.	Gl. 2 Lt. D. S.	Gl. 1 Lt. D. S.	Gl. 2 Lt. D. S.		
4 ft. 6 in. wide, up to 1 ft. 6 in. high.....	\$3.14	\$3.34	\$4.88	\$5.17	\$18.10	\$13.44
4 ft. 8 in. wide, up to 1 ft. 6 in. high.....	3.26	3.40	4.98	5.29	18.86	13.47
6 ft. 0 in. wide, up to 1 ft. 6 in. high.....	4.48	4.34	6.14	6.44	22.19	15.73
6 ft. 4 in. wide, up to 1 ft. 6 in. high.....	5.14	4.58	6.88	7.18	22.94	17.53



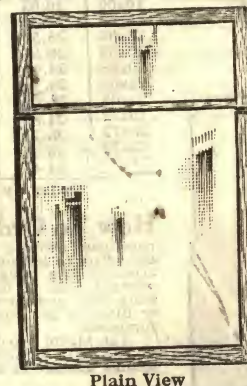
Crystal



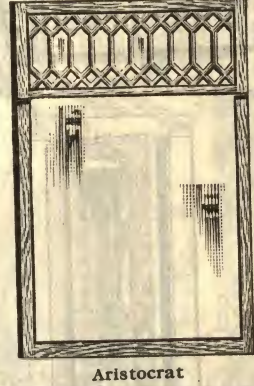
Queen Anne

## Cottage Windows

Choicest designs in modern cottage windows to match all styles of architecture. Crystal design has leaded glass top light. Aristocrat design has leaded glass top light. Plain View and Queen Anne designs are glassed with clear double strength glass.



Plain View



Aristocrat

Glass Size, Bottom, Sash, Width, Height	Glass Size, Top Sash, Width, Height	Outside Measure Width, Height	"Crystal" 10-A-66 Price	"Queen Anne" 10-A-64 Price	"Plainview" 10-A-64 Price	"Aristocrat" 10-A-70 Price	Shipping Weight, Pounds
40" x 42"	40" x 14"	3'8" x 5'2"	\$10.80	\$5.59	\$4.89	\$17.48	94
40" x 40"	40" x 16"	3'8" x 5'2"	11.27	5.22	4.52	19.82	96
40" x 46"	40" x 16"	3'8" x 5'6"	11.05	5.79	5.09	17.72	100
44" x 40"	44" x 16"	4'0" x 5'2"	12.57	6.03	5.33	21.91	104
44" x 44"	44" x 16"	4'0" x 5'6"	12.77	6.10	5.40	22.11	110
44" x 48"	44" x 16"	4'0" x 5'10"	13.74	7.08	6.38	23.08	125

HARRIS BROTHERS COMPANY, 35th and Iron Streets, CHICAGO



# Bevel and Plain Plate Mirror Doors



Full length Mirror Doors combine the useful purpose of both door and wall mirror at a lower price and reduces danger of breakage.

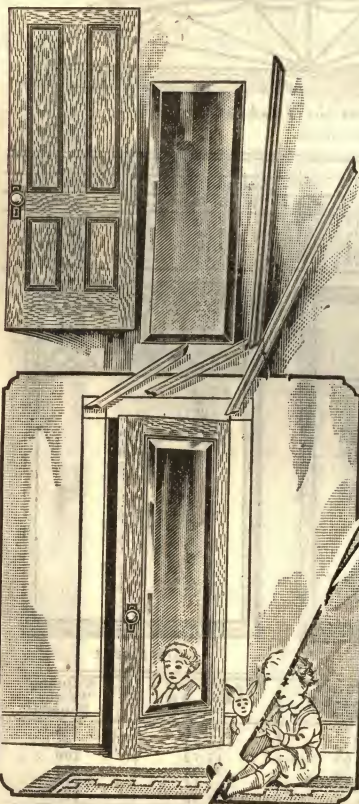
Plenty of choice as to sizes, three kinds of wood, two thicknesses and both Plain and Beveled Plate mirror. Naturally you will want your mirror door in your dressing room and as a closet door it will serve the double purpose admirably.

Our mirrors are of the regular standard American Beauty grade—noted for their high luster and lasting qualities. The mirror side of the door is finished as shown in the picture. The other side is regularly finished, two panel, like our "Elite and Seattle" door. Can also be furnished with one or five cross panels. Our mirror doors are packed so well that they cannot be marred in transit.

1½ inches thick SIZES		PRICES OF "FULLVIEW" MIRROR DOORS								Shipping Wgt., Lbs.
		Size of Plate Mirror	Red Oak		Northern Birch		Fir			
			10-A-289 Plain Plate Mirror	10-A-290 Bevel Plate Mirror	10-A-291 Plain Plate Mirror	10-A-292 Bevel Plate Mirror	10-A-293 Plain Plate Mirror	10-A-294 Bevel Plate Mirror		
W'th. ft. in.	H't. ft. in.									
2- 0x6- 6		16x66	\$27.72	\$31.08	\$25.53	\$28.89	\$32.44	\$25.80	75	
2- 2x6- 6		18x66	30.06	33.39	27.83	31.16	24.59	27.92	80	
2- 4x6- 6		20x66	32.33	35.66	30.18	33.51	26.72	30.05	80	
2- 6x6- 6		22x66	37.11	41.58	34.74	36.21	31.08	35.55	85	
2- 0x6- 8		16x68	28.31	31.76	26.10	29.55	23.07	26.52	90	
2- 2x6- 8		18x68	30.71	34.84	28.46	32.59	26.76	29.39	95	
2- 4x6- 8		20x68	33.17	36.59	30.86	34.28	27.45	30.87	100	
2- 6x6- 8		22x68	37.97	42.52	35.58	40.13	31.97	36.51	110	
2- 0x7- 0		16x72	30.15	33.78	27.77	31.40	24.84	28.47	115	
2- 2x7- 0		18x72	32.69	36.29	30.26	33.86	27.17	30.77	120	
2- 4x7- 0		20x72	35.30	38.92	32.81	36.43	29.49	33.11	125	
2- 6x7- 0		22x72	40.34	45.16	37.77	42.59	34.22	39.03	130	
2- 8x7- 0		24x72	43.28	48.13	40.62	45.47	36.89	41.73	135	

Any of the above sizes furnished 1 1/4-inch thick, \$2.60 extra. Write for prices on other woods.

## Make Your Own Mirror Door!



COMPLETE OUTFIT for a home-made mirror door consists of heavy plate mirror; thin strips to form a bed between the face of the door and the glass; mouldings of special design to frame the mirror and hold it firmly in place; and a sufficient number of round-headed brass screws.

Prices, Mirror Door Outfit, No. 10-A-500.

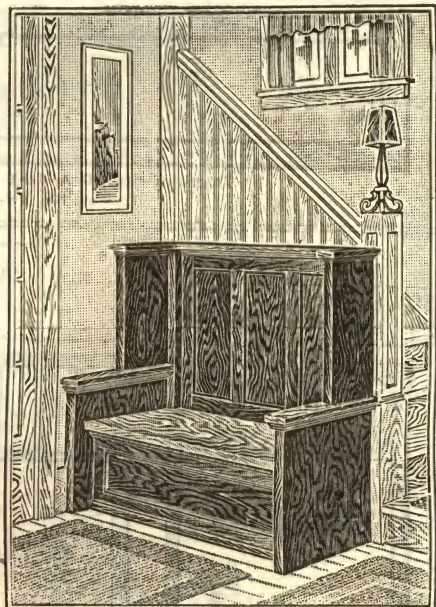
Size of Mirror	Plain Plate	Beveled 1 1/2 inch	Fits Panel Door	Ship. Wt. lbs.
16x60	\$18.63	\$21.15	2- 0x6- 0	50
16x66	20.03	23.39	2- 0x6- 6	52
20x66	24.30	27.63	2- 4x6- 6	55
22x66	28.59	33.06	2- 6x6- 6	60
16x68	20.55	24.00	2- 0x6- 8	60
20x68	24.82	28.35	2- 4x6- 8	62
22x68	29.09	33.93	2- 6x6- 8	64
24x68	33.36	38.30	2- 8x6- 8	68
16x72	21.57	25.20	2- 0x7- 0	72
20x72	26.22	29.84	2- 4x7- 0	74
22x72	30.91	35.73	2- 6x7- 0	76
24x72	33.45	38.30	2- 8x7- 0	78

Order by No. 10-A-500.

**How To Order:** Take the measurement of your door just outside of the panel part, allowing at least one-half inch all around for the mirror to rest upon. Then select your size from the accompanying table. In ordering, be sure to specify whether plain or beveled plate mirror is desired and state your preference in mouldings—Yellow Pine, Oak or Birch (if no preference is given, Yellow Pine will be furnished).

The Mirror Mouldings, Strips and Screws will come in one box, carefully wrapped and packed to insure against damage in shipment.

**Instructions:** Any door of the ordinary kind can be made into a mirror door and you can do the work yourself. First: Take the door off the hinges and lay it flat on the floor or on a table. Second: Place the thin strips evenly on the face of the door and lay the mirror on top. Third: Screw the mouldings into place. (The mouldings are already fitted and mitered.) Presto! A real mirror door, as good for all practical purposes as if you had bought a new one. (Note:—The outer edges of the moulding and strips used for backing should be exactly even to obtain the best results.)



## Built-In Hall Seat

**10-A-428.** A modern hall seat designed to be permanently built in. This splendid addition creates a finished appearance to blank wall space in any hallway and presents a convenience that cannot be overlooked in the well furnished home.

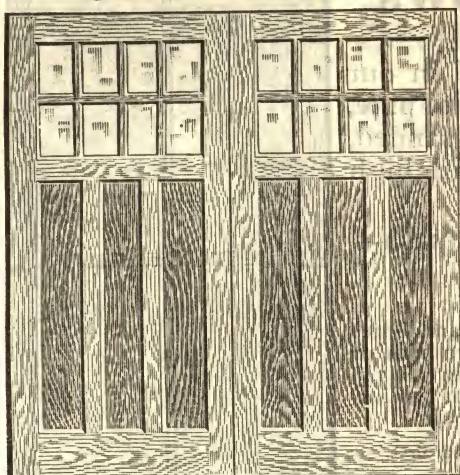
Made in any size desired. A rough pencil sketch of the wall space allowed for this piece is all we require to send complete details and prices.

Carried in stock for quick shipment. 4 ft. long, height overall from floor to top 3 ft. 6 ins., height from floor to seat 1 ft. 6 ins. Seat 1 ft. 6 ins. deep. Substantially constructed and neatly paneled.

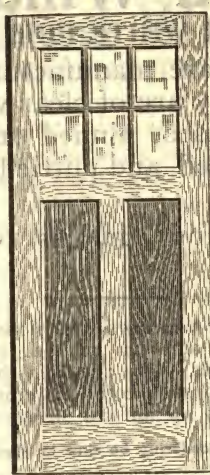
Price, yellow pine.....\$22.10  
Price, red oak.....\$24.60  
Shipped set up in the white (not finished).



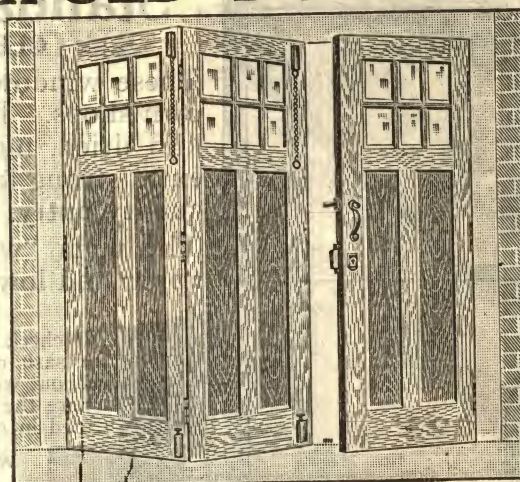
# GARAGE AND MULTIFOLD DOORS



ASHLAND



ATLAS

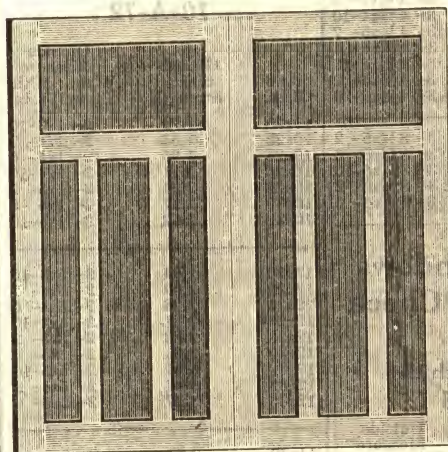


Triple Combination of ATLAS DOORS

Our Multifold Combination Garage and Warehouse Doors are made of Fir, one of the best woods known for exterior use. The stiles and rails of the doors are mortised and wedged, which construction gives you not only a substantial door, but a door that is more durable. The panels are extra heavy, being set into the grooves of the stiles and rails by means of special machinery, making it impossible for the panel to warp or check. In offering you these doors it is our intention to give you the best value obtainable for the money, and we must ask that you do not confuse these doors with the so-called "just-as-good-makes" on the market at the present time. Remember, our doors are made of Fir, of mortised and wedged construction, and equipped with durable panels—three distinct and essential features necessary to make a good garage or warehouse door.

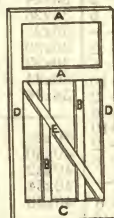
ASHLAND DOOR							MULTIFOLD COMBINATION	SINGLE DOOR	DOUBLE COMBINATION	TRIPLE COMBINATION
Catalog Number	Size of each door			2 doors will fill opening	Price, per pair 2 doors	Shipping Weight Pounds	Size of each door	2'8"x8'	2'8"x8'0"	2'8"x8'
	Width	Height	Thickness				2'8"x8'	5'4"x8'0"	8'x8'	
10-A-502	4 Ft.	8 Ft.	1 1/4 inches	8 Ft.x8 Ft.	\$22.50	240	Total size.....	2'8"x8'	\$15.10	\$22.60
							Price, Atlas, 10-A-1445	\$7.60		

## PRESTO-UP Guaranteed "No-Sag" Garage Doors



PLAIN

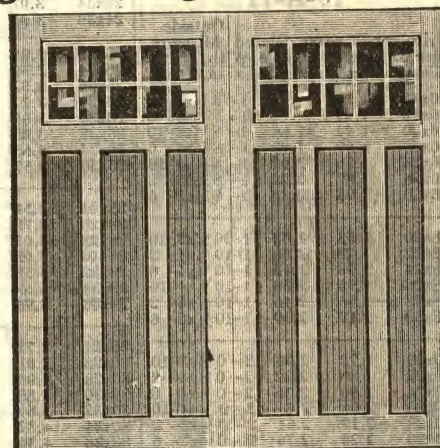
As  
Low  
as



\$6<sup>50</sup>  
each

These doors are our own exclusive manufacture and design offered in two sizes, approximately 3 ft. 9 ins. by 8 ft. and 4 ft. by 8 ft., but shipped net trimmed size as shown. We make them in tremendous quantity for our Patented "PRESTO-UP" Bolt-Together Garages. "PRESTO" doors are medium strong and specially braced.

All doors are painted one good priming coat on the outside. Made from Clear Oregon Fir Lumber. The top and middle cross member (a) 2x6. Vertical Mullions (b) 2x4. Bottom cross member (c) 2x8. Outside stiles (d) 2x6. Net thickness of the door is about 1 1/4 inches. All members are deeply rabbeted to receive the Clear Kiln-dried Fir Beading



GLAZED

Ceiling under tremendous pressure, by special machinery. The back of the door is braced diagonally (e) and this brace is dadoed into the 2x4 stiles (b) so that it not only gives a shoulder and heel brace but also two center braces. It is the dadoing of the mullions (b) into which the diagonal brace (e) is fitted that positively prevents sagging.					
PLAIN DOORS. No. 38-A-1921. "Packard." Made and shipped net trimmed size 3 feet 8 1/2 inches by 7 feet 10 1/4 inches.		GLAZED DOORS. No. 38-A-1923. "Pierce." Net trimmed size 3 feet 8 1/2 inches by 7 feet 10 1/4 inches.			
Price, each.....		Price, each.....			
No. 38-A-1922. "Packard." Net trimmed size 3 feet 11 1/2 inches by 7 feet 10 1/4 inches. Price, each.....		No. 38-A-1924. "Pierce." Net trimmed size 3 feet 11 1/2 inches by 7 feet 10 1/4 inches. Price, each.....			
\$6.50		\$8.50			
\$7.00		\$9.00			



## Door Holders

Here is a boon to the garage owner. Adopted as standard equipment on "PRESTO-UP" Garages. Prevents smashed fenders, broken doors, no more hooking on posts in the ground, no more slamming in the wind, etc., etc. Doors are released by a single pull of the chain. The door holders automatically catch and hold the doors in place as shown. Weight, 7 lbs.

No. 38-A-140. \$2.00  
Price.....



## Hinges

Same as used on "PRESTO-UP" Garages. Heavy black japanned, the strap is 10", the butt 7" long by 2" wide. Complete with Japanned Screws. Weight, 4 1/4 lbs.

No. 38-A-141. 85c  
Price, per pair.....

## Foot Bolts and Chain Top Bolts

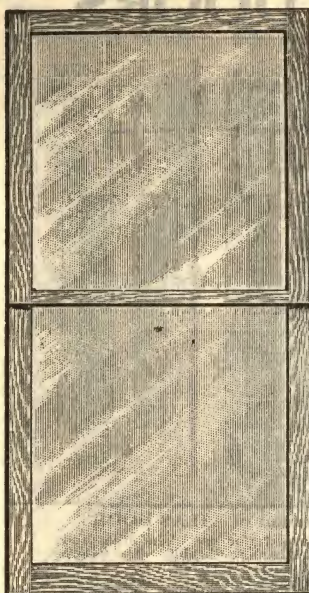
Round steel 6 inch case, 3/4 inch bolt. Operated by a brass coiled spring. Action of bolt by toe lever. Black Japanned.

"PRESTO-UP" CHAIN BOLTS. Round steel 6 inch case, 3/4 inch bolt. Can easily be reversed. Furnished with Duplex Steel Safety Chain with 1 inch Pull Ring. Complete with plates and screws.

No. 38-A-142. Foot and Chain Bolts, weight 1 1/4 pounds. \$1.00  
Price, per set.....

HARRIS BROTHERS COMPANY, 35th and Iron Streets, CHICAGO





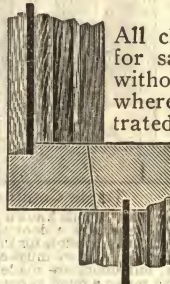
No. 10-A-71.

# Standard Windows

## CLEAR WHITE PINE

These windows are manufactured in our own shops. They are of clear white pine, kiln dried, mortised, pinned and sanded, extra strong tacked, and puttied with high quality putty.

The term "window" means two sash—upper and lower.



All check rail windows are plowed and bored for sash cord and can be used either with or without weights. The check is the beveled rail where the two sash come together, as is illustrated in cross section cut shown at left.

When ordering be sure to give width first.

Price includes both top and bottom sash.

Weight—A window 28x28 2 lights check rail 1 3/8 inches thick is considered an average size and weighs 28 pounds, shipping weight. Other sizes will weigh more or less in proportion to sizes.



No. 10-A-72.

### Two Light Check Rail Windows

1 3/8 inches thick  
10-A-71

Price per Window, Glazed		Outside Measure	
Size of Single Glass	St'gth.	Double St'gth.	W'th. H'th. Ft. in. Ft. in.
16x16	\$1.18	.....	1- 8 1/2 x 3- 2
16x18	1.29	.....	1- 8 1/2 x 3- 6
16x20	1.40	\$1.68	1- 8 1/2 x 3- 10
16x24	1.59	1.90	1- 8 1/2 x 4- 6
16x26	1.78	2.02	1- 8 1/2 x 4- 10
16x28	1.87	2.22	1- 8 1/2 x 5- 2
16x30	1.98	2.38	1- 8 1/2 x 5- 6

18x20	1.53	1.83	1- 10 1/2 x 3- 10
18x22	1.72	2.06	1- 10 1/2 x 4- 2
18x24	1.78	2.12	1- 10 1/2 x 4- 6
18x26	1.96	2.36	1- 10 1/2 x 4- 10
18x28	2.06	2.46	1- 10 1/2 x 5- 2
18x30	2.17	2.59	1- 10 1/2 x 5- 6

20x20	1.72	2.06	2- 0 1/2 x 3- 10
20x22	1.85	2.22	2- 0 1/2 x 4- 2
20x24	1.96	2.36	2- 0 1/2 x 4- 6
20x26	2.06	2.46	2- 0 1/2 x 4- 10
20x28	2.17	2.61	2- 0 1/2 x 5- 2
20x30	2.20	2.76	2- 0 1/2 x 5- 6
20x32	2.56	3.07	2- 0 1/2 x 5- 10

22x22	1.96	2.36	2- 2 1/2 x 4- 2
22x24	2.06	2.46	2- 2 1/2 x 4- 6
22x26	2.17	2.61	2- 2 1/2 x 4- 10
22x28	2.30	2.76	2- 2 1/2 x 5- 2
22x30	2.52	3.02	2- 2 1/2 x 5- 6
22x32	2.73	3.27	2- 2 1/2 x 5- 10

24x20	1.95	2.35	2- 4 1/2 x 3- 10
24x24	2.30	2.76	2- 4 1/2 x 4- 6
24x26	2.32	2.78	2- 4 1/2 x 4- 10
24x28	2.52	3.02	2- 4 1/2 x 5- 2

Continued

Price per Window, Glazed		Outside Measure	
Size of Single Glass	St'gth.	Double St'gth.	W'th. H'th. Ft. in. Ft. in.
24x30	\$2.71	\$3.24	2- 4 1/2 x 5- 6
24x32	3.05	3.66	2- 4 1/2 x 5- 10
24x34	3.07	3.68	2- 4 1/2 x 6- 2
24x36	3.35	4.02	2- 4 1/2 x 6- 6
26x22	2.26	2.70	2- 6 1/2 x 4- 2
26x24	2.30	2.76	2- 6 1/2 x 4- 6
26x26	2.52	3.02	2- 6 1/2 x 4- 10
26x28	2.77	3.32	2- 6 1/2 x 5- 2
26x30	3.01	3.61	2- 6 1/2 x 5- 6
26x32	3.05	3.65	2- 6 1/2 x 5- 10
26x34	3.55	4.22	2- 6 1/2 x 6- 2
26x36	3.57	4.27	2- 6 1/2 x 6- 6

28x24	2.51	3.01	2- 8 1/2 x 4- 6
28x26	2.75	3.30	2- 8 1/2 x 4- 10
28x28	3.01	3.61	2- 8 1/2 x 5- 2
28x30	3.03	3.63	2- 8 1/2 x 5- 6
28x32	3.55	4.26	2- 8 1/2 x 5- 10
28x34	3.57	4.28	2- 8 1/2 x 6- 2
28x36	3.96	4.76	2- 8 1/2 x 6- 6

30x24	2.71	3.25	2- 10 1/2 x 4- 6
30x26	3.01	3.61	2- 10 1/2 x 4- 10
30x28	3.03	3.64	2- 10 1/2 x 5- 2
30x30	3.85	4.62	2- 10 1/2 x 5- 6
30x32	3.89	4.67	2- 10 1/2 x 5- 10
30x34	4.32	5.18	2- 10 1/2 x 6- 2
30x36	4.34	5.20	2- 10 1/2 x 6- 6

32x24	3.05	3.65	3- 0 1/2 x 4- 6
32x26	3.07	3.67	3- 0 1/2 x 4- 10
32x28	3.55	4.26	3- 0 1/2 x 5- 2
32x30	3.89	4.67	3- 0 1/2 x 5- 6
32x32	.....	5.38	3- 0 1/2 x 5- 10
32x34	.....	5.40	3- 0 1/2 x 6- 2
32x36	.....	6.13	3- 0 1/2 x 6- 6

34x24	3.07	3.67	3- 2 1/2 x 4- 6
34x26	3.57	4.28	3- 2 1/2 x 5- 2
34x30	4.32	5.18	3- 2 1/2 x 5- 6
34x32	.....	5.39	3- 2 1/2 x 5- 10

Continued

Price per Window, Glazed		Outside Measure	
Size of Single Glass	St'gth.	Double St'gth.	W'th. H'th. Ft. in. Ft. in.
34x36	.....	\$6.74	3- 4 1/2 x 4- 6

36x24	\$3.35	4.49	3- 4 1/2 x 4- 6
36x26	3.57	4.79	3- 4 1/2 x 4- 10
36x28	3.96	5.38	3- 4 1/2 x 5- 2
36x30	4.34	5.40	3- 4 1/2 x 5- 6
36x32	.....	6.13	3- 4 1/2 x 5- 10
36x34	.....	6.74	3- 4 1/2 x 6- 2
36x36	.....	6.76	3- 4 1/2 x 6- 6

40x28	.....	6.16	3- 8 1/2 x 5- 2
40x30	.....	6.19	3- 8 1/2 x 5- 6
40x32	.....	6.79	3- 8 1/2 x 5- 10
40x34	.....	7.91	3- 8 1/2 x 6- 2
40x36	.....	7.95	3- 8 1/2 x 6- 6

### Pantry Windows Two Light Check Rail

1 3/8 inches thick  
10-A-85

Price per Window, Glazed		Outside Measure	
Size of Glass	Inches	W'th. H'th. Ft. in. Ft. in.	
12x20	\$1.16	1- 4 1/2 x 3- 10	
12x24	1.33	1- 4 1/2 x 4- 6	
12x26	1.42	1- 4 1/2 x 4- 10	
12x28	1.51	1- 4 1/2 x 5- 2	
12x30	1.63	1- 4 1/2 x 5- 6	

14x20	1.24	1- 6 1/2 x 3- 10	
14x24	1.48	1- 6 1/2 x 4- 6	
14x26	1.53	1- 6 1/2 x 4- 10	
14x28	1.72	1- 6 1/2 x 5- 2	
14x30	1.81	1- 6 1/2 x 5- 6	

### Four Light Check Rail Windows

1 3/8 inches thick  
10-A-72

Price per Window, Glazed		Outside Measure	
Size of Glass	St'gth.	Double St'gth.	W'th. H'th. Ft. in. Ft. in.
10x20	\$1.72	.....	2- 1x3- 10
10x22	1.83	.....	2- 1x4- 2
10x24	1.96	.....	2- 1x4- 6
10x26	2.11	.....	2- 1x4- 10
10x28	2.24	.....	2- 1x5- 2
10x30	2.37	.....	2- 1x5- 6
10x32	2.62	.....	2- 1x5- 10

12x20	1.94	2- 5x3- 10
12x22	2.09	2- 5x4- 2
12x24	2.28	2- 5x4- 6
12x26	2.41	2- 5x4- 10
12x28	2.58	2- 5x5- 2
12x30	2.86	2- 5x5- 6
12x32	3.01	2- 5x5- 10
12x34	3.14	2- 5x6- 2
12x36	3.27	2- 5x6- 6

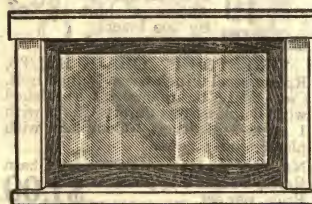
14x20	2.13	2- 9x3- 10
14x22	2.41	2- 9x4- 2
14x24	2.56	2- 9x4- 6
14x26	2.67	2- 9x4- 10
14x28	3.07	2- 9x5- 2
14x30	3.20	2- 9x5- 6
14x32	3.42	2- 9x5- 10
14x34	3.58	2- 9x6- 2
14x36	3.78	2- 9x6- 6

15x30	3.50	2- 11x5- 6
15x32	3.77	2- 11x5- 10
15x36	4.09	2- 11x6- 6

## Clear White Pine Hall, Closet or Stair Landing Sash

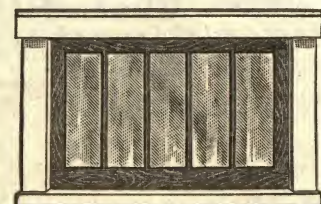
MADE IN FIRST CLASS MANNER OF CLEAR WHITE PINE

The side stiles and top rail are 2 in. wide while the bottom rail is 3 in. wide. First quality material and manufacture. Glazed with clear glass, strongly tacked and puttied. Exceptional values.



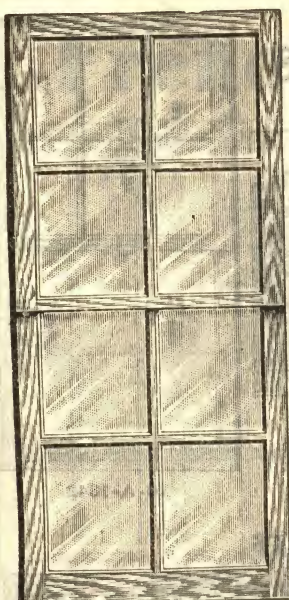
No. 10-A-1411.

Glass Size		Outside Measure		Price	
Inches	Thickness	Width	Height	1 Light Glazed	5 Light Glazed
80x14	1 1/2	2-10x1- 7		\$1.17	\$1.67
30x16	1 1/2	2-10x1- 9		1.20	1.70
30x18	1 1/2	2-10x1-11		1.35	1.85
32x16	1 1/2	3- 0x1- 9		1.38	1.88
36x16	1 1/2	3- 4x1- 9		1.45	1.95
36x18	1 1/2	3- 4x1-11		1.56	2.06
40x18	1 1/2	3- 8x1-11		1.61	2.31



No. 10-A-1413.





10-A-74

## Standard Windows

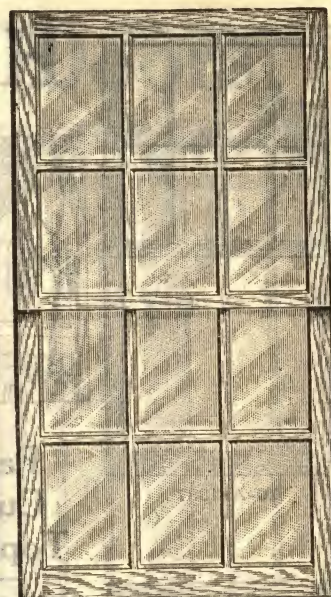
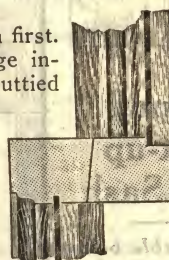
### CLEAR WHITE PINE

The Plain Rail Windows shown on this page are made of stock  $1\frac{1}{8}$  inches thick and are usually held in place by spring bolts on one or both sides of each sash. A window of this kind is rarely put in a first class residence but for the cheaper houses and to be used in barns, sheds and shops, the plain rail window is all right and can be recommended. The same high grade stock is used as in our check rail windows and each sash is primed in white lead and oil, and the glass is well puttied in.

When ordering, be sure to give width first.

Prices for all windows on this page include top and bottom sash with glass puttied and back puttied.

A window 10x12, 12 lights check rail  $1\frac{1}{8}$  inches thick is considered an average size and weighs 25 pounds, shipping weight. Other sizes will weigh more or less in proportion to sizes.



10-A-76

### Eight Light Check Rail Windows

$1\frac{1}{8}$  Inch Thick

10-A-74

Our Check Rail windows are plowed and bored for sash cord and can be used with or without weights.

The Check Rail feature where the two sash come together, prevents rattling and makes the windows stormproof.

Size of Glass	Thick-ness	Price per Glazed	Outside Measure Window Width Ft. in. Ft. in.
8x10	$1\frac{1}{8}$	\$1.52	1- 9x3-10
8x12	$1\frac{1}{8}$	1.72	1- 9x4- 6
9x12	$1\frac{1}{8}$	1.83	1-11x1- 6
9x14	$1\frac{1}{8}$	2.05	1-11x5- 2
10x12	$1\frac{1}{8}$	1.95	2- 1x4- 6
10x14	$1\frac{1}{8}$	2.17	2- 1x4- 6
10x16	$1\frac{1}{8}$	2.62	2- 1x5-10
12x14	$1\frac{1}{8}$	2.56	2- 5x5- 2
12x16	$1\frac{1}{8}$	2.86	2- 5x5-10
12x18	$1\frac{1}{8}$	3.15	2- 5x6- 6
14x16	$1\frac{1}{8}$	3.23	2- 9x5-10
14x18	$1\frac{1}{8}$	3.46	2- 9x6- 6
14x20	$1\frac{1}{8}$	3.82	2- 9x7- 2

### Twelve Light Check Rail Windows

$1\frac{1}{8}$  Inch Thick

10-A-76

Size of Glass	Thick-ness	Price per Glazed	Outside Measure Window Width Ft. in. Ft. in.
8x10	$1\frac{1}{8}$	\$2.07	2- 4 $\frac{1}{2}$ x3-10
8x12	$1\frac{1}{8}$	2.32	2- 4 $\frac{1}{2}$ x4- 6
9x12	$1\frac{1}{8}$	2.49	2- 7 $\frac{1}{2}$ x4- 6
9x14	$1\frac{1}{8}$	2.77	2- 7 $\frac{1}{2}$ x5- 2
10x12	$1\frac{1}{8}$	2.69	2-10 $\frac{1}{2}$ x4- 6
10x14	$1\frac{1}{8}$	2.99	2-10 $\frac{1}{2}$ x5- 2
10x16	$1\frac{1}{8}$	3.61	2-10 $\frac{1}{2}$ x5-10
10x18	$1\frac{1}{8}$	3.82	2-10 $\frac{1}{2}$ x6- 6
12x14	$1\frac{1}{8}$	3.63	3- 4 $\frac{1}{2}$ x5- 2
12x16	$1\frac{1}{8}$	3.98	3- 4 $\frac{1}{2}$ x5-10
12x18	$1\frac{1}{8}$	4.41	3- 4 $\frac{1}{2}$ x6- 6
12x20	$1\frac{1}{8}$	4.82	3- 4 $\frac{1}{2}$ x7- 2

### Plain Rail Windows Four Light

$1\frac{1}{8}$  Inch Thick

10-A-73

Size of Glass	Thick-ness	Price per Glazed	Outside Measure Window Width Ft. in. Ft. in.
12x20	$1\frac{1}{8}$	\$1.94	2- 5x3-10
12x24	$1\frac{1}{8}$	2.28	2- 5x4- 6
12x26	$1\frac{1}{8}$	2.41	2- 5x4-10
12x28	$1\frac{1}{8}$	2.58	2- 5x5- 2

### Plain Rail Windows

#### Eight Light

10-A-75

Size of Glass	Thick-ness	Price per Glazed	Outside Measure Window Width Ft. in. Ft. in.
8x10	$1\frac{1}{8}$	\$1.42	1- 8 $\frac{1}{2}$ x3-10
8x12	$1\frac{1}{8}$	1.59	1- 8 $\frac{1}{2}$ x4- 6
9x12	$1\frac{1}{8}$	1.72	1-10 $\frac{1}{2}$ x4- 6
9x14	$1\frac{1}{8}$	1.91	1-10 $\frac{1}{2}$ x5- 2
10x12	$1\frac{1}{8}$	1.85	2- 0 $\frac{1}{2}$ x4- 6
10x14	$1\frac{1}{8}$	2.07	2- 0 $\frac{1}{2}$ x5- 2
10x16	$1\frac{1}{8}$	2.65	2- 0 $\frac{1}{2}$ x5-10
12x14	$1\frac{1}{8}$	2.40	2- 4 $\frac{1}{2}$ x5- 2
12x16	$1\frac{1}{8}$	2.69	2- 4 $\frac{1}{2}$ x5-10

#### Plain Rail Windows Twelve Light

10-A-77

Size of Glass	Thick-ness	Price per Glazed	Outside Measure Window Width Ft. in. Ft. in.
7x 9	$1\frac{1}{8}$	\$1.65	2- 1x3- 6
8x10	$1\frac{1}{8}$	1.91	2- 4x4-10
8x12	$1\frac{1}{8}$	2.15	2- 4x4- 6
8x14	$1\frac{1}{8}$	2.41	2- 4x5- 2
9x12	$1\frac{1}{8}$	2.32	2- 7x4- 6
9x14	$1\frac{1}{8}$	2.60	2- 7x5- 2
9x15	$1\frac{1}{8}$	2.75	2- 7x5- 6
10x12	$1\frac{1}{8}$	2.51	2-10x4- 6

Size of Glass	Thick-ness	Price per Glazed	Outside Measure Window Width Ft. in. Ft. in.
10x14	$1\frac{1}{8}$	\$2.82	2-10x5- 2
10x15	$1\frac{1}{8}$	2.97	2-10x5- 6
10x16	$1\frac{1}{8}$	3.40	2-10x5-10
10x18	$1\frac{1}{8}$	3.61	2-10x6- 6
12x14	$1\frac{1}{8}$	3.40	3- 4x5- 2
12x16	$1\frac{1}{8}$	3.74	3- 4x5-10

### Factory Plain Rail Windows—Fifteen Light

10-A-78

Size of Glass	Thick-ness	Price per Glazed	Outside Measure Window Width Ft. in. Ft. in.
8x10	$1\frac{1}{8}$	\$2.78	2- 4 $\frac{1}{2}$ x5- 8 $\frac{1}{2}$
10x12	$1\frac{1}{8}$	3.64	2-10 $\frac{1}{2}$ x5- 6 $\frac{1}{2}$

### Factory Plain Rail Windows—Eighteen Light

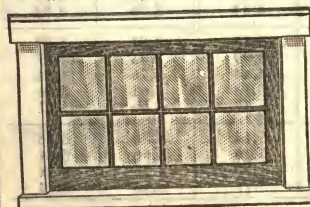
10-A-79

Size of Glass	Thick-ness	Price per Glazed	Outside Measure Window Width Ft. in. Ft. in.
8x10	$1\frac{1}{8}$	\$3.58	2- 4 $\frac{1}{2}$ x5- 7 $\frac{1}{2}$
10x12	$1\frac{1}{8}$	4.71	2-10 $\frac{1}{2}$ x5- 7 $\frac{1}{2}$

## White Pine Hall, Closet or Stair Landing Sash

The side stiles and top rail are 2 inches wide while the bottom rail is 3 inches wide. Made of Clear White Pine.

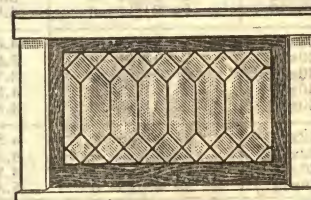
First quality material and manufacture. Glazed with clear glass, and puttied and back puttied. Exceptional values.



10-A-1412

Glass Size Inches	Thickness Inches	Outside Measure Width, Height ft. in. ft. in.
30x14	$1\frac{1}{8}$	2-10x1- 7
30x16	$1\frac{1}{8}$	2-10x1- 9
30x18	$1\frac{1}{8}$	2-10x1-11
32x16	$1\frac{1}{8}$	3- 0x1- 9
36x16	$1\frac{1}{8}$	3- 4x1- 9
36x18	$1\frac{1}{8}$	3- 4x1-11
40x18	$1\frac{1}{8}$	3- 8x1-11

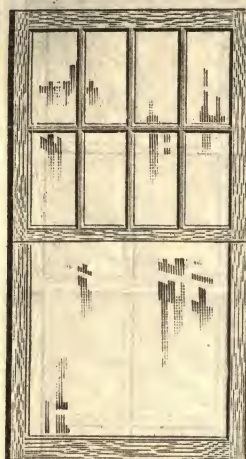
10-A-1412 Price 8 Light Glazed	10-A-1414 Price Glazed Leaded
\$1.97	\$3.87
2.00	4.27
2.15	4.71
2.18	4.42
2.25	4.97
2.36	5.52
2.61	6.11



10-A-1414



# Handsome Windows

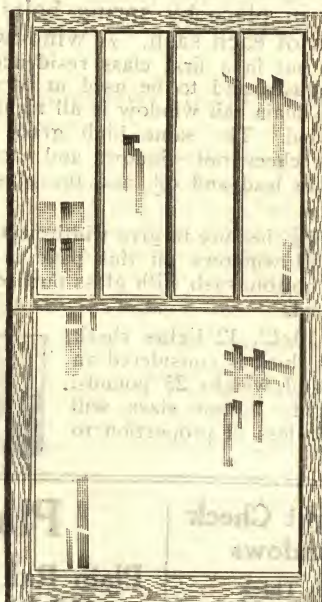


10-A-1337



## Fancy Cut-up Top Sash

Price table below includes window complete as illustrated, top sash and bottom sash, glazed with clear glass.

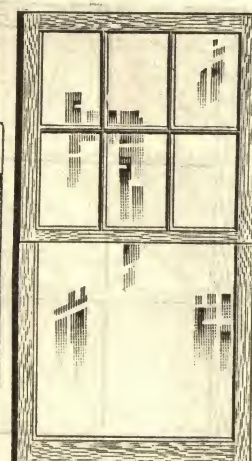


10-A-1341

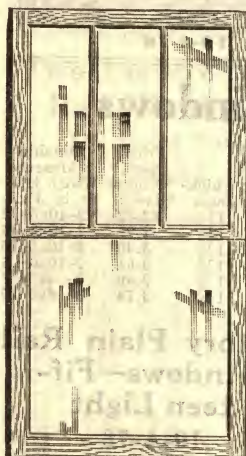


## Divided by Wood Bars

Glazed S. S. means that window is set with glass in single strength thickness—glazed D. S. double strength.



10-A-1342



10-A-1344

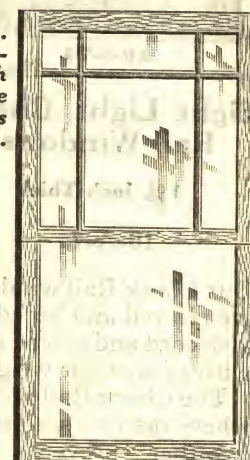
CHECKRAIL  
1 1/8" THICK

CHECKRAIL  
1 1/8" THICK

## CLEAR WHITE PINE

These are the best known and most popular designs in fancy cut up top sash. Wood bars are used to divide the lights and the work is done by hand, each piece being carefully mortised in pinned and smoothly sanded. Every light of glass is well tacked and puttied to hold its place.

WEIGHTS: A window 28x28 2 lights check rail 1 1/8 inches thick is considered an average size and weighs 28 pounds, shipping weight. Other sizes will weigh more or less in proportion to sizes.



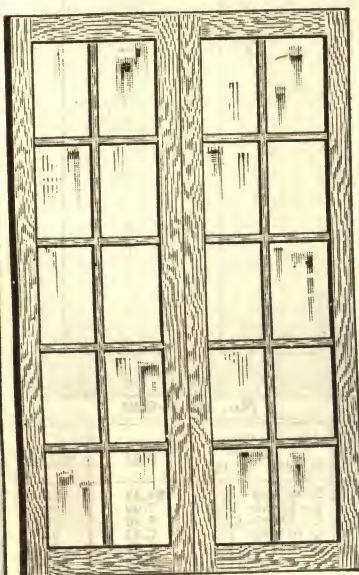
10-A-1345

Sizes of Glass	OUTSIDE MEASURE Width Height Ft. in. Ft. in.	10-A-1337		10-A-1342		10-A-1341		10-A-1344		10-A-1345	
		Glazed S. S.	Glazed D. S.	Glazed S. S.	Glazed D. S.	Glazed S. S.	Glazed D. S.	Glazed S. S.	Glazed D. S.	Glazed S. S.	Glazed D. S.
16x20	1- 8 1/2 x 3-10	\$2.25	\$2.59	\$1.97	\$2.29	\$1.88	\$2.20	\$1.78	\$2.10	\$2.05	\$2.39
16x24	1- 8 1/2 x 4- 6	2.48	2.15	2.15	2.55	2.06	2.46	1.96	2.36	2.28	2.66
20x20	2- 0 1/2 x 3-10	2.59	3.10	2.29	2.78	2.20	2.69	2.10	2.59	2.39	2.90
20x24	2- 0 1/2 x 4- 6	2.83	3.45	2.52	3.10	2.43	3.01	2.33	2.91	2.63	3.25
20x28	2- 0 1/2 x 5- 2	3.06	3.98	2.74	3.44	2.65	3.35	2.55	3.25	2.86	3.78
22x24	2- 2 1/2 x 4- 6	2.95	3.60	2.63	3.26	2.54	3.17	2.44	3.07	2.75	3.40
22x26	2- 2 1/2 x 4-10	3.06	3.78	2.74	3.44	2.65	3.35	2.55	3.15	2.86	3.58
22x28	2- 2 1/2 x 5- 2	3.20	3.99	2.87	3.62	2.78	3.53	2.68	3.43	3.00	3.79
22x30	2- 2 1/2 x 5- 6	3.42	4.30	3.08	3.92	2.99	3.83	2.89	3.73	3.22	4.10
24x20	2- 4 1/2 x 3-10	2.83	3.45	2.52	3.10	2.43	3.01	2.33	2.91	2.63	3.25
24x24	2- 4 1/2 x 4- 6	3.20	3.99	2.87	3.20	2.78	3.11	2.68	3.01	3.00	3.79
24x26	2- 4 1/2 x 4-10	3.23	4.00	2.89	3.22	2.80	3.13	2.70	3.03	3.03	3.80
24x28	2- 4 1/2 x 5- 2	3.42	4.30	3.08	3.92	2.99	3.83	2.89	3.73	3.22	4.10
24x30	2- 4 1/2 x 5- 6	3.63	4.58	3.28	4.18	3.19	4.09	3.09	3.99	3.43	4.38
26x26	2- 6 1/2 x 4-10	3.23	3.99	3.09	3.92	3.00	3.83	2.90	3.73	3.03	3.79
26x28	2- 6 1/2 x 5- 2	3.69	4.67	3.34	4.27	3.25	4.18	3.15	4.08	3.49	4.47
26x30	2- 6 1/2 x 5- 6	3.85	5.03	3.58	4.61	3.49	4.52	3.29	4.42	3.65	4.83
28x28	2- 8 1/2 x 5- 2	3.85	5.03	3.58	4.61	3.49	4.52	3.39	4.42	3.65	4.83
28x30	2- 8 1/2 x 5- 6	3.96	5.04	3.60	4.63	3.51	4.54	3.41	4.44	3.76	4.84
28x32	2- 8 1/2 x 5-10	4.01	5.29	4.12	5.34	4.03	5.25	3.93	5.15	3.81	5.09
30x24	2-10 1/2 x 4- 6	3.63	4.57	3.28	4.18	3.19	4.09	3.09	3.99	3.43	4.37
30x28	2-10 1/2 x 5- 2	3.96	5.04	3.60	4.63	3.51	4.54	3.41	4.44	3.76	4.84
30x30	2-10 1/2 x 5- 6	4.81	5.76	4.42	5.32	4.33	5.23	4.23	5.13	4.61	5.56
30x32	2-10 1/2 x 5-10	4.86	5.81	4.46	5.36	4.37	5.27	4.27	5.17	4.66	5.61
32x28	3- 0 1/2 x 5- 2	4.50	5.78	4.12	5.33	4.03	5.24	3.93	5.14	4.30	5.58
32x30	3- 0 1/2 x 5- 6	4.86	5.81	4.46	5.35	4.37	5.26	4.27	5.16	4.66	5.61
36x28	3- 4 1/2 x 5- 2	4.95	6.41	4.52	5.94	4.43	5.85	4.33	5.75	4.75	6.21
36x30	3- 4 1/2 x 5- 6	5.33	6.44	4.90	5.96	4.81	5.87	4.71	5.77	5.13	6.24

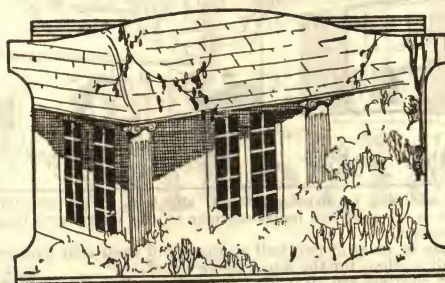
Sizes Not Listed and Other Designs Can be Furnished at Low Prices.



# French Windows and Doors



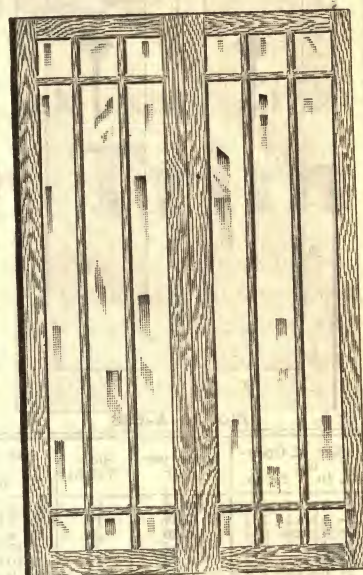
10-A-306



## Lowest Prices

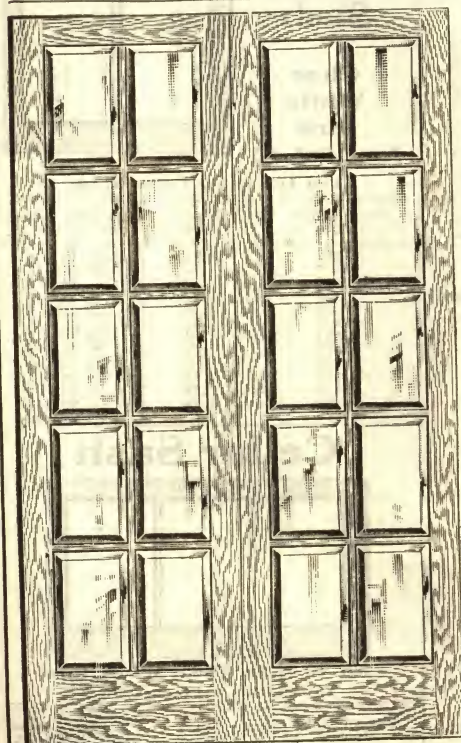
Handsome, artistic French Windows harmonize with any style of architecture. Made of best quality "A" grade Soft White Pine stock, glazed with clear double strength glass. They are furnished in pairs, rabbeted at the center where the sash join, in the manner of a cupboard door, insuring a close fit. Strong wood dividing bars are used and the sash are built in the most substantial manner. These designs are the most desirable as well as the most popular.

## Price per Pair of French Windows



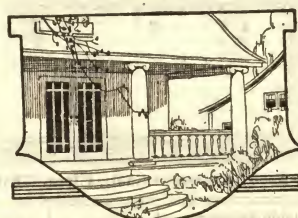
10-A-307

Opening Size	2-8x3-6	2-8x4-6	2-10x5-2	2-10x5-6	3-0x4-6	3-0x5-2	3-0x5-6	3-4x5-6	3-4x5-10	3-8x5-6	Ship. wt. lb.
10-A-307	\$4.10	\$4.88	\$5.62	\$5.90	\$5.25	\$5.51	\$5.76	\$6.34	\$6.85	\$7.25	40
10-A-306	3.90	4.65	5.35	5.63	4.99	5.25	5.52	5.90	6.41	6.72	38



10-A-310

## FRENCH DOORS



In the more up-to-date residences, bungalows, and modern homes, French Doors and Windows are becoming increasingly popular. They add much to the charm and beauty of the home. A pair of these doors leading from your living room to the porch will add just the right touch. They are also used for balcony doors or the opening to the conservatory or between rooms.

Furnished in "A" quality White Pine or Veneered Clear Red Oak or Northern Birch; glazed Clear "A" double strength glass, and beautiful beveled plate glass.

These doors are extra strong and exceptionally well made and carried in stock in Pine, both 1 1/2 and 1 3/4 thick. Oak and Birch are carried in stock in 1 3/4 inches only.

We furnish a flat Astragal with each pair of doors, which can be nailed on at center where the doors join.

## Prices Per Pair



10-A-311

STYLE- GLAZING WOOD THICKNESS, Inches	10-A-310								10-A-311								Shipping Weight, Pounds		
	Double Strength Glass				Beveled Plate Glass				Double Strength Glass				Beveled Plate Glass						
	White Pine		Oak		White Pine		Oak		White Pine		Oak		White Pine		Oak				
	1 1/2	1 3/4	1 1/2	1 3/4	1 1/2	1 3/4	1 1/2	1 3/4	1 1/2	1 3/4	1 1/2	1 3/4	1 1/2	1 3/4	1 1/2	1 3/4			
	1 1/2	1 3/4	1 1/2	1 3/4	1 1/2	1 3/4	1 1/2	1 3/4	1 1/2	1 3/4	1 1/2	1 3/4	1 1/2	1 3/4	1 1/2	1 3/4			
SIZE																			
4-0x6-8	\$16.63	\$22.77	\$27.16	\$23.81	\$34.16	\$40.28	\$44.86	\$41.51	\$16.68	\$22.85	\$27.46	\$24.10	\$39.30	\$45.47	\$50.08	\$46.72			130
4-0x7-0	17.68	24.09	27.80	24.82	35.18	41.59	45.50	42.52	17.88	24.51	28.14	25.14	41.88	48.51	52.14	49.14			135
5-0x6-8	17.65	24.10	29.58	26.66	40.76	47.21	52.98	50.06	17.90	24.65	29.69	26.92	42.98	49.93	54.77	52.00			140
5-0x7-0	18.68	25.60	31.44	27.67	41.78	47.68	54.84	51.07	19.60	26.32	31.76	27.83	52.90	59.90	65.06	61.13			145
5-4x6-8	19.41	25.75	30.84	27.26	41.55	47.88	54.24	50.66	20.10	26.35	31.17	27.51	53.85	53.85	64.92	61.26			150
5-4x7-0	20.55	27.43	32.08	28.29	42.60	49.40	55.48	51.69	21.40	28.24	32.40	28.54	63.28	56.14	67.14	63.28			155

HARRIS BROTHERS COMPANY, 35th and Iron Streets, CHICAGO



# Shutters, Single Sash and Transoms



No. 10-A-693



In addition to ornamentation, shutters afford considerable attraction, keeping the house warmer in the winter and cooler in the summer.

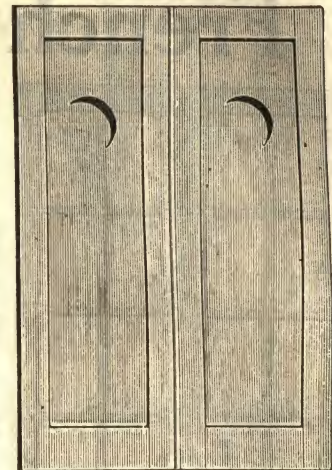
Made in pairs of two half sections and each unit price covers two half sections for the size window listed.

Our Shutters are all made from strictly clear White Pine, well manufactured, accurately machined and shipped unpainted.

The column under size of opening means that this is the measurement of the opening that the shutters are to be fitted into.

Illustration shows shutters closed. When open the panels are "raised" or moulded around the edges instead of plain square edge as shown.

All Shutters made 1 1/4 inches thick.



No. 10-A-699

Size of Opening ft. in. ft. in.	Price per Pair	Ship. Weight	Size of Opening ft. in. ft. in.	Price per Pair	Ship. Weight	Size of Opening ft. in. ft. in.	Price per Pair	Ship. Weight	Size of Opening ft. in. ft. in.	Price per Pair	Ship. Weight
2-0 1/4 x 3-11 1/4	\$5.20	15	2-8 1/4 x 5-3 1/4	\$6.52	25	2-0 1/4 x 3-11 1/4	\$5.11	15	2-8 1/4 x 5-3 1/4	\$6.41	25
2-4 1/4 x 4-7 1/4	6.09	18	2-8 1/4 x 5-7 1/4	7.11	26	2-4 1/4 x 4-7 1/4	6.00	18	2-8 1/4 x 5-7 1/4	7.02	26
2-4 1/4 x 5-3 1/4	6.20	20	2-8 1/4 x 5-11 1/4	7.40	28	2-4 1/4 x 5-3 1/4	6.11	20	2-8 1/4 x 5-11 1/4	7.30	26
2-4 1/4 x 5-7 1/4	6.64	22	2-10 1/4 x 5-7 1/4	7.31	26	2-4 1/4 x 5-7 1/4	6.55	22	2-10 1/4 x 5-7 1/4	7.22	26
2-6 1/4 x 5-3 1/4	6.32	22	2-10 1/4 x 5-11 1/4	7.60	28	2-6 1/4 x 5-3 1/4	6.24	22	2-10 1/4 x 5-11 1/4	7.51	28
2-6 1/4 x 5-7 1/4	6.90	24	3-0 1/4 x 5-11 1/4	7.91	30	2-6 1/4 x 5-7 1/4	6.82	24	3-0 1/4 x 5-11 1/4	7.83	30

For Sizes not listed, allow price of next larger size.



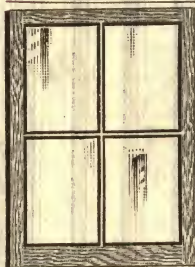
## Single Sash

Clear  
White  
Pine

No.  
10-A-84

One Light, 1 1/4 Inches Thick

Size of Glass Inches	Price, Glazed	Outside meas. ft. in. ft. in.
18x20	\$0.92	1-10x2-1
20x20	1.03	2-0x2-5
20x24	1.14	2-4x2-5
24x24	1.34	2-4x2-9
24x28	1.47	2-4x2-11
24x30	1.56	



## Barn Sash

No.  
10-A-86 Clear  
White Pine

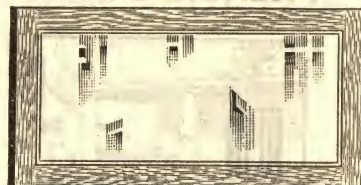
Four Lights, 1 1/4 inch Thick

Size of Glass Inches	Price, Glazed	Outside meas. ft. in. ft. in.
8x10	\$0.77	1-10x2-5
9x12	.90	1-10x2-9
9x14	1.01	2-0x2-5
10x12	.96	2-0x2-9
10x14	1.07	2-0x3-1
10x16	1.30	2-4x2-9
12x14	1.27	2-4x3-1
12x16	1.40	

No. 10-A-87, 6 Lights, 1 1/4 Inch Thick

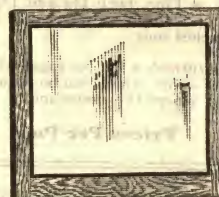
Size of Glass Inches	Price, Glazed	Outside meas. ft. in. ft. in.
8x10	\$1.03	2-4x2-1
9x12	1.25	2-10x2-5
10x12	1.34	2-10x2-9
10x14	1.61	2-10x3-1
10x16	1.95	3-4x3-1
12x16	2.11	

## Single Sash and Transoms



No. 10-A-80 Transom Sash, Clear White Pine

Outside Measure Width Height ft. in. in.	Thickness	Price, 1 Lgt. Glazed
2-6x10	1 1/4	\$0.65
2-6x12	1 1/4	.67
2-6x14	1 1/4	.70
2-6x16	1 1/4	.77
2-8x10	1 1/4	.68
2-8x12	1 1/4	.70
2-8x14	1 1/4	.74
2-8x16	1 1/4	.85
2-8x18	1 1/4	.97
2-8x20	1 1/4	1.03
2-10x12	1 1/4	.77
2-10x14	1 1/4	.80
2-10x16	1 1/4	.90
2-10x18	1 1/4	1.01
2-10x20	1 1/4	1.11
3-0x12	1 1/4	.86
3-0x14	1 1/4	.90
3-0x16	1 1/4	.94
3-0x18	1 1/4	1.05
3-0x20	1 1/4	1.16



No. 10-A-83 Stall Sash, Clear White Pine

Size of Glass Inches	Price, Glazed	Outside meas. ft. in. ft. in.
10x12	1-2x1-5	\$0.48
10x14	1-2x1-7	.53
12x14	1-4x1-7	.60
12x16	1-4x1-9	.62

## Cellar Sash

Clear  
White  
Pine

No. 10-A-81

Two Lights, 1 1/4 Inches Thick

Size of Glass Inches	Price, Glazed	Outside meas. ft. in. ft. in.
10x12	\$0.66	2-1x1-5
10x14	.73	2-1x1-7
10x16	.81	2-1x1-9
10x18	.86	2-1x1-11
10x20	.90	2-1x2-1
12x12	.73	2-5x1-5
12x14	.81	2-5x1-7
12x16	.88	2-5x1-9
12x18	.97	2-5x1-11
12x20	1.01	2-5x2-1
14x16	.98	2-9x1-9
14x18	1.05	2-9x1-11
14x20	1.12	2-9x2-1

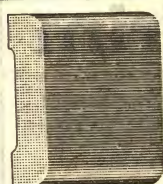
## Cellar Sash



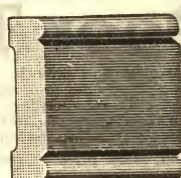
No. 10-A-82 Clear White Pine  
Three Lights, 1 1/4 Inches Thick

Size of Glass Inches	Price, Glazed	Outside meas. ft. in. ft. in.
7x9	\$0.57	2-1x1-2
8x10	.64	2-4x1-3
8x12	.70	2-4x1-5
8x14	.77	2-4x1-7
9x12	.75	2-7x1-5
9x14	.81	2-7x1-7
9x16	.88	2-7x1-9
10x12	.81	2-10x1-5
10x14	.88	2-10x1-7
10x16	1.01	2-10x1-9
12x12	.92	3-4x1-5
12x14	1.05	3-4x1-7
12x16	1.12	3-4x1-9
12x18	1.25	3-4x1-11

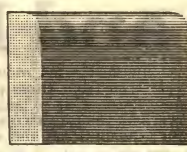




Chair Rail



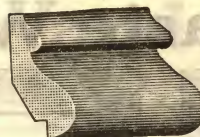
Hook Strip



Round Edge Stops



O. G. Stops



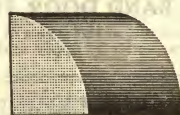
Wainscote Cap



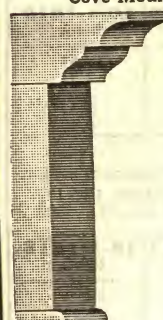
Picture Mould



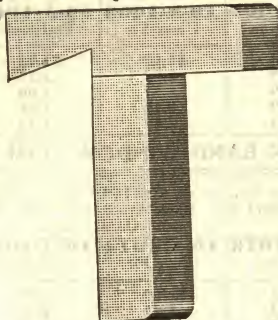
Cove Mould



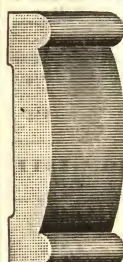
Quarter Round



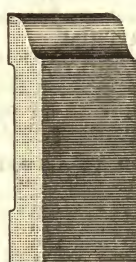
3 Member Cap



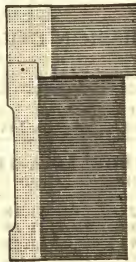
Window Stool and Apron



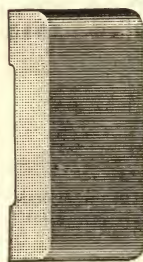
Ovalo Casing



O. G. Casing



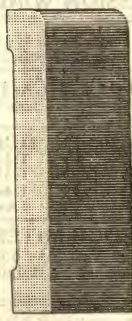
Mission Casing and Back Band



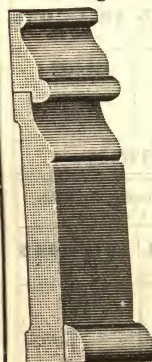
Round Edge Casing



Moulded Base



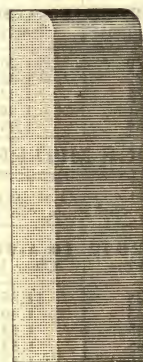
Round Edge Base



3 Member Base



O. G. Base



Base Blocks

## Yellow Pine—Fir—Oak and Birch Interior Trim

Most popular designs of interior moulding for modern homes. Manufactured from finest selected clear woods run on low speed machines to produce an excellent smooth finish. Kept clean and bright because of our mammoth fast moving stocks. Sold in random lengths, 8 ft. to 16 ft. Your choice of Yellow Pine, Fir, Oak and Birch, presenting interior trim for every required finish suitable for oil, stain, paint or enamel.

Add 10% to These Prices for Specified Lengths

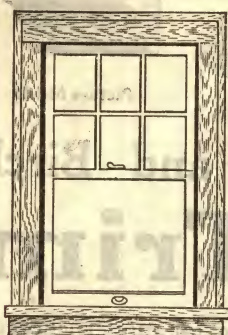
Order by this No.	Name of Moulding	Size	Prices per 100 lineal feet				Weight per 100 Lineal Feet
			Yellow Pine	Fir	Oak	Birch	
10-A-8496	Chair Rail	5/8x3 3/4	\$3.60	\$3.78	\$7.50	\$7.88	80 lbs.
10-A-8234	Hook Strip	5/8x2 1/2	2.70	3.00	.....	.....	50 lbs.
10-A-8541	Round Edge Stop	1 1/2x1 3/8	1.47	1.55	2.48	2.61	20 lbs.
10-A-8542	Round Edge Stop	1 1/2x1 3/8	1.95	2.05	3.30	3.47	25 lbs.
10-A-8083	O. G. Stop	3/4x1 1/8	0.98	0.98	1.65	1.74	20 lbs.
10-A-8084	O. G. Stop	3/4x1 1/8	1.08	1.14	1.82	1.91	25 lbs.
10-A-8085	O. G. Stop	1 1/2x1 1/8	1.37	1.43	2.31	2.43	25 lbs.
10-A-8096	O. G. Stop	1 1/2x1 1/8	1.47	1.54	2.49	2.61	25 lbs.
10-A-8095	O. G. Stop	1 1/2x1 1/8	1.95	2.05	3.30	3.47	25 lbs.
10-A-8093	O. G. Stop	1 1/2x2 1/4	2.45	2.58	4.13	4.34	30 lbs.
10-A-8228	Wainscote Cap	3/4x2	2.70	2.84	5.63	5.91	40 lbs.
10-A-8264	Picture Mould	3/4x1 3/4	1.95	2.05	3.50	3.67	35 lbs.
10-A-8396	Cap Mould	1 1/2x2 1/4	4.68	4.92	8.75	9.19	80 lbs.
10-A-8394	Head Casing	3/4x4 1/4	4.50	4.75	9.40	9.88	90 lbs.
10-A-8395	Fillet	3/4x1	1.08	1.13	1.82	1.91	15 lbs.
10-A-8267	Window Stool	1 1/2x3 3/4	7.45	7.82	10.95	11.60	100 lbs.
10-A-8379	Window Apron	3/4x3 3/8	3.60	3.78	7.50	7.90	80 lbs.
10-A-8341	Ovalo Casing	3/4x4 1/4	4.50	4.73	9.40	9.87	85 lbs.
10-A-8342	Ovalo Casing	3/4x4 1/4	4.75	4.98	9.65	10.15	100 lbs.
10-A-8384	O. G. Casing	3/4x4 1/4	4.50	4.73	9.40	9.87	85 lbs.
10-A-8385	O. G. Casing	3/4x5 1/4	5.40	5.67	11.25	11.83	105 lbs.
10-A-1000	Mission Casing	3/4x3 1/2	3.60	3.78	7.50	7.90	80 lbs.
10-A-1001	Mission Casing	3/4x4 1/4	4.50	4.73	9.40	9.87	85 lbs.
10-A-1002	Back Band	1 1/2x1 1/2	2.70	2.85	3.75	3.95	35 lbs.
10-A-8308	Round Edge Casing	3/4x3 3/8	3.60	3.78	7.50	7.90	80 lbs.
10-A-8309	Round Edge Casing	3/4x4 1/4	4.50	4.73	9.40	9.90	85 lbs.
10-A-8310	Round Edge Casing	3/4x4 3/4	4.75	4.99	9.65	10.15	95 lbs.
10-A-8311 1/2	Round Edge Casing	3/4x5 3/4	5.40	5.68	11.25	11.85	105 lbs.
10-A-8426	Moulded Base	3/4x7 1/4	7.20	7.56	15.00	15.75	140 lbs.
10-A-1003	Round Edge Base	3/4x7 1/4	7.20	7.56	15.00	15.75	140 lbs.
10-A-8420	Base Mould	3/4x2 1/4	3.00	3.15	5.63	5.95	40 lbs.
10-A-8421	Moulded Base	3/4x7 1/4	7.20	7.56	15.00	15.75	140 lbs.
10-A-8421 1/2	Moulded Base	3/4x5 1/4	5.40	5.67	11.25	11.85	105 lbs.
10-A-8422	Base Shoe	1 1/2x 3/4	0.98	0.98	1.65	1.80	15 lbs.
10-A-8385	O. G. Base	3/4x5 1/4	5.40	5.67	11.25	11.85	105 lbs.
10-A-8386	O. G. Base	3/4x7 1/4	7.20	7.56	15.00	15.75	140 lbs.
10-A-8060	Cove Mould	3/4x 3/4	0.98	0.98	1.65	1.80	15 lbs.
10-A-8065	Quarter Round	3/4x 3/4	0.98	0.98	1.65	1.80	15 lbs.
Order by this No.	Name	Size	Price, Each				Weight Each
			Yellow Pine	Fir	Oak	Birch	
10-A-144	Base Blocks	1 1/2x4 1/2 x10	\$0.14	\$0.16	\$0.23	\$0.26	2 lbs.

Special Designs Made to Order. Write for Prices!

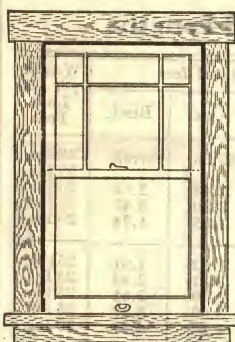
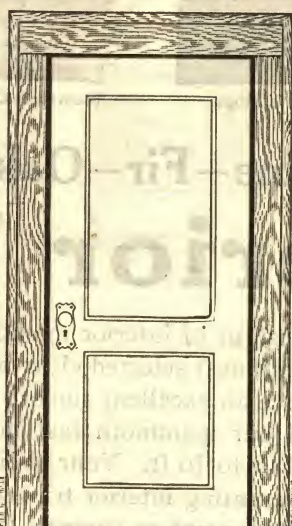
HARRIS BROTHERS COMPANY, 35th and Iron Streets, CHICAGO



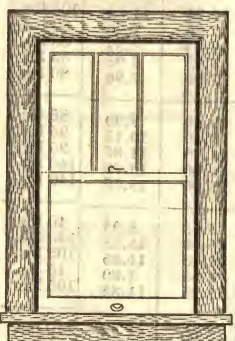
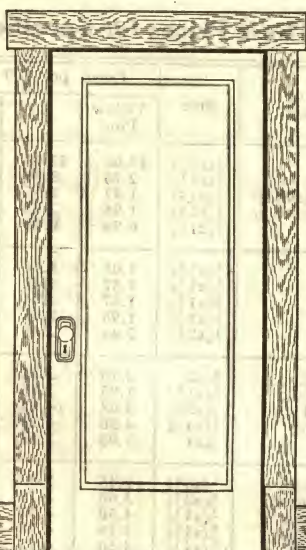
# No Waste Window and Door Trim



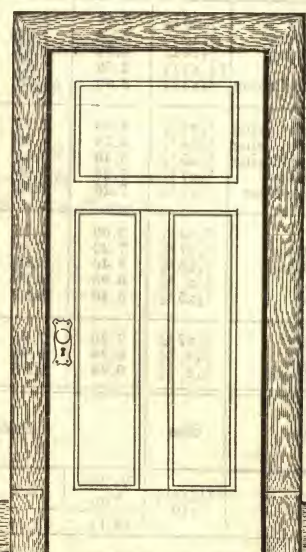
**"Back Band"**  
Door and Window  
Trim



**"Mission"**  
Door and Window  
Trim



**"Mitered Round  
Edge" Casing,**  
Door and Window  
Trim



Made of finest selected mouldings clear and smooth. No waste when you order inside trim from these pages and no chance of mistakes. Saves much time and expense. Cut to lengths with liberal allowance for fitting on the job. Do not overlook to order two sets of trim for inside doors, one for each side and one set for outside doors and windows. Carefully cut and bundled.

If the size you require is not listed, allow price of next larger size.

## PRICES

### BACK BAND DOOR TRIM

The Back Band Trim shown is one of the styles of handsome trim used in our Harris Homes—easy for the carpenter to apply and easy for the housewife to keep clean.

Any size door opening up to and including:		Each set consists of $\frac{3}{4}$ "x3 $\frac{1}{2}$ " in. Casing No. 1000, 1 $\frac{1}{2}$ "x1 $\frac{1}{2}$ " Back Band No. 1002 and O. G. Stops.			
Width Ft. In.	Height Ft. In.	10-A-1007 Yel. Pine	10-A-1008 Clear Fir	10-A-1009 Red Oak	10-A-1010 Birch
2-8	x 6-8	\$1.54	\$1.62	\$2.73	\$2.87
3-0	x 7-0	1.59	1.67	2.79	2.93
5-0	x 7-0	1.69	1.77	3.00	3.15
8-0	x 8-0	2.09	2.19	3.35	3.52
9-0	x 9-0	2.54	2.67	3.72	3.90

### BACK BAND WINDOW TRIM

Any size window opening up to and including:		Each set consists of $\frac{3}{4}$ "x3 $\frac{1}{2}$ " in. Casing No. 1000, 1 $\frac{1}{2}$ "x1 $\frac{1}{2}$ " Back Band No. 1002, Stool No. 8267, Apron No. 8379 and O. G. Stops.			
Width Ft. In.	Height Ft. In.	10-A-1013 Yel. Pine	10-A-1014 Clear Fir	10-A-1015 Red Oak	10-A-1016 Birch
2-4 $\frac{1}{2}$	x 3-10	\$1.61	\$1.69	\$2.79	\$2.93
2-6 $\frac{1}{2}$	x 4-6	1.63	1.71	2.86	3.00
2-8 $\frac{1}{2}$	x 5-2	1.77	1.86	3.11	3.27
2-10 $\frac{1}{2}$	x 5-6	1.80	1.89	3.16	3.32
3-8 $\frac{1}{2}$	x 6-2	2.12	2.23	3.72	3.91

### MISSION DOOR TRIM

To those who fancy a plain trim, we recommend our Mission Style. When used with our Seattle or Olympia Door, it is considered a harmonizing design.

Any size door opening up to and including:		Each set consists of $\frac{3}{4}$ "x3 $\frac{1}{2}$ " in. Casing No. 1000, $\frac{7}{8}$ "x4 $\frac{1}{4}$ " Head Casing, No. 144 Base Blocks and O. G. Stops.			
Width Ft. In.	Height Ft. In.	10-A-1908 Yel. Pine	10-A-1909 Clear Fir	10-A-1910 Red Oak	10-A-1911 Birch
2-8	x 6-8	\$1.12	\$1.18	\$2.53	\$2.65
3-0	x 7-0	1.19	1.25	2.60	2.73
5-0	x 7-0	1.28	1.35	2.79	2.93
8-0	x 8-0	1.67	1.76	3.33	3.50
9-0	x 9-0	1.74	1.82	3.69	3.87

### MISSION WINDOW TRIM

Any size window opening up to and including:		Each set consists of $\frac{3}{4}$ "x3 $\frac{1}{2}$ " in. Casing No. 1000, $\frac{7}{8}$ "x4 $\frac{1}{4}$ " Head Casing, No. 8267 Stool, No. 8379 Apron and O. G. Stops.			
Width Ft. In.	Height Ft. In.	10-A-1912 Yel. Pine	10-A-1913 Clear Fir	10-A-1914 Red Oak	10-A-1915 Birch
2-4 $\frac{1}{2}$	x 3-10	\$1.15	\$1.21	\$2.10	\$2.21
2-6 $\frac{1}{2}$	x 4-6	1.26	1.33	2.28	2.39
2-8 $\frac{1}{2}$	x 5-2	1.28	1.35	2.50	2.62
2-10 $\frac{1}{2}$	x 5-6	1.37	1.44	2.78	2.92
3-8 $\frac{1}{2}$	x 6-2	1.56	1.64	2.97	3.12

### ROUND EDGE MITERED DOOR TRIM

Our Mitered Round Edge Trim, like our Back Band Trim, is of the sanitary style and when properly finished or stained, it makes a very beautiful interior trim.

Any size door opening up to and including:		Each set consists of $\frac{3}{4}$ "x4 $\frac{1}{4}$ " Round Edge Casing No. 8309, No. 144 Base Blocks and O. G. Stops.			
Width Ft. In.	Height Ft. In.	10-A-2033 Yel. Pine	10-A-2034 Clear Fir	10-A-2035 Red Oak	10-A-2036 Birch
2-8	x 6-8	\$1.20	\$1.26	\$2.38	\$2.50
3-0	x 7-0	1.27	1.33	2.49	2.61
5-0	x 7-0	1.36	1.43	2.76	2.90
8-0	x 8-0	1.81	1.90	3.21	3.37
9-0	x 9-0	1.89	1.99	3.60	3.78

### ROUND EDGE MITERED WINDOW TRIM

Any size window opening up to and including:		Each set consists of $\frac{3}{4}$ "x4 $\frac{1}{4}$ " Round Edge Casing No. 8309, No. 8267 Stool, No. 8379 Apron and O. G. Stops.			
Width Ft. In.	Height Ft. In.	10-A-2042 Yel. Pine	10-A-2043 Clear Fir	10-A-2044 Red Oak	10-A-2045 Birch
2-4 $\frac{1}{2}$	x 3-10	\$1.28	\$1.35	\$2.28	\$2.39
2-6 $\frac{1}{2}$	x 4-6	1.33	1.40	2.35	2.47
2-8 $\frac{1}{2}$	x 5-2	1.45	1.53	2.70	2.84
2-10 $\frac{1}{2}$	x 5-6	1.45	1.53	3.04	3.19
3-8 $\frac{1}{2}$	x 6-2	1.76	1.83	3.14	3.30



## Yellow Pine, Fir, Oak and Birch

Cut to lengths with liberal allowance for fitting on the job. Don't forget to order two sets of trim for inside doors, one for each side and one set for outside doors and windows. Carefully cut and bundled.

If the size you require is not listed, allow price of next larger size.

## PRICES

### THREE MEMBER CAP DOOR TRIM

Our Three Member Cap Trim illustrated is a standard style used in many homes today. It is always impressive, regardless of what style door it is used with.

Any size door opening up to and including Width Height ft. in. ft. in.	Each set consists of $\frac{3}{4} \times 4 \frac{1}{4}$ inch Casing No. 8309. Three Member Cap, No. 144 Base Blocks and O. G. Steps.			
	<b>10-A-914</b> Yellow Pine	<b>10-A-925</b> Clear Fir	<b>10-A-916</b> Red Oak	<b>10-A-917</b> Birch
2- 8x6- 8	<b>\$1.47</b>	<b>\$1.54</b>	<b>\$2.85</b>	<b>\$2.99</b>
3- 0x7- 0	<b>1.65</b>	<b>1.73</b>	<b>3.17</b>	<b>3.33</b>
5- 0x7- 0	<b>1.88</b>	<b>1.97</b>	<b>3.64</b>	<b>3.82</b>
8- 0x8- 0	<b>2.23</b>	<b>2.34</b>	<b>4.25</b>	<b>4.46</b>
9- 0x9- 0	<b>2.44</b>	<b>2.56</b>	<b>4.68</b>	<b>4.91</b>

### THREE MEMBER CAP WINDOW TRIM

Any size window opening up to and including: Width Height ft. in. ft. in.		Each set consists of $\frac{3}{4} \times \frac{1}{4}$ inch Casing No. 8309. Three Member Cap, No. 8267 Stool, No. 8379 Apron and O. G. Stops.			
		<b>10-A-988</b> Yellow Pine	<b>10-A-982</b> Clear Fir	<b>10-A-990</b> Red Oak	<b>10-A-991</b> Birch
2-4	$\frac{1}{2} \times 3-10$	<b>\$1.45</b>	<b>\$1.52</b>	<b>\$2.72</b>	<b>\$2.86</b>
2-6	$\frac{1}{2} \times 4-6$	<b>1.57</b>	<b>1.65</b>	<b>2.97</b>	<b>3.12</b>
2-8	$\frac{1}{2} \times 5-2$	<b>1.69</b>	<b>1.77</b>	<b>3.20</b>	<b>3.36</b>
2-10	$\frac{1}{2} \times 5-6$	<b>1.78</b>	<b>1.86</b>	<b>3.30</b>	<b>3.47</b>
2-8	$\frac{1}{2} \times 6-2$	<b>2.05</b>	<b>2.15</b>	<b>3.67</b>	<b>3.85</b>

If the caps are wanted nailed together ready to nail in place, add 40c to the above price.

### CHAMFERED HEAD DOOR TRIM

It is hard to choose a more attractive design than our Chamfered Head Interior Trim. We recommend this trim for high grade homes.

Any size door opening up to and including Width Height ft. in. ft. in.	Each set consists of 3/4x3 1/2 inch Square Edge Casing No. 1000, 1/2x5 1/2 Chamfered Head, No. 144 Base Blocks and O. G. Stops.			
	<b>10-A-2234</b> Yellow Pine	<b>10-A-2235</b> Clear Fir	<b>10-A-2236</b> Red Oak	<b>10-A-2237</b> Birch
2- 8x6- 8	<b>\$1.37</b>	<b>\$1.43</b>	<b>\$2.41</b>	<b>\$2.53</b>
3- 0x7- 0	<b>1.44</b>	<b>1.51</b>	<b>2.57</b>	<b>2.70</b>
5- 0x7- 0	<b>1.56</b>	<b>1.64</b>	<b>2.86</b>	<b>3.00</b>
8- 0x8- 0	<b>1.75</b>	<b>1.84</b>	<b>3.15</b>	<b>3.31</b>
9- 0x9- 0	<b>1.90</b>	<b>2.00</b>	<b>3.42</b>	<b>3.59</b>

### CHAMFERED HEAD WINDOW TRIM

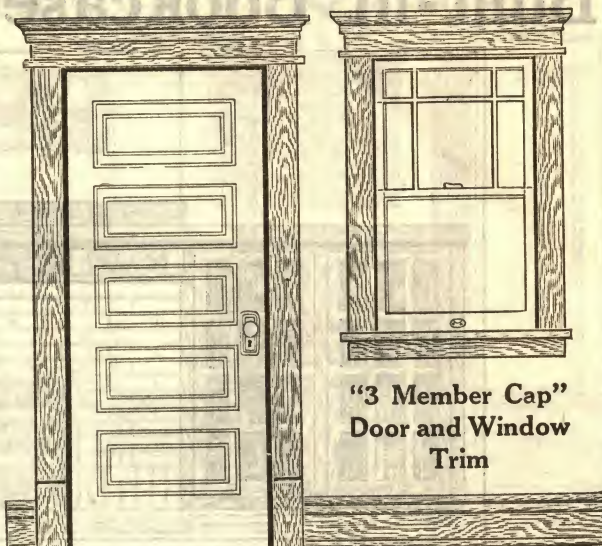
Any size window opening up to and including	Each set consists of $\frac{3}{4} \times 3\frac{1}{2}$ inch Square Edge Casing No. 1000, $\frac{5}{8} \times \frac{1}{2}$ Chamfered Head, No. 8267 Stool, No. 8379 Apron and O. G. Stops.			
	<b>10-A-3910</b> Yellow Pine	<b>10-A-3941</b> Clear Fir	<b>10-A-3942</b> Red Oak	<b>10-A-3943</b> Birch
Width Height ft. in. ft. in.				
2-4 $\frac{1}{2}$ x 3-10	<b>\$1.37</b>	<b>\$1.44</b>	<b>\$2.37</b>	<b>\$2.49</b>
2-6 $\frac{1}{2}$ x 4-6	<b>1.46</b>	<b>1.53</b>	<b>2.55</b>	<b>2.68</b>
2-8 $\frac{1}{2}$ x 5-2	<b>1.56</b>	<b>1.64</b>	<b>2.76</b>	<b>2.90</b>
2-10 $\frac{1}{2}$ x 5-6	<b>1.63</b>	<b>1.71</b>	<b>2.83</b>	<b>2.97</b>
3-8 $\frac{1}{2}$ x 6-2	<b>1.85</b>	<b>1.94</b>	<b>3.32</b>	<b>3.49</b>

### O. G. CASING DOOR TRIM

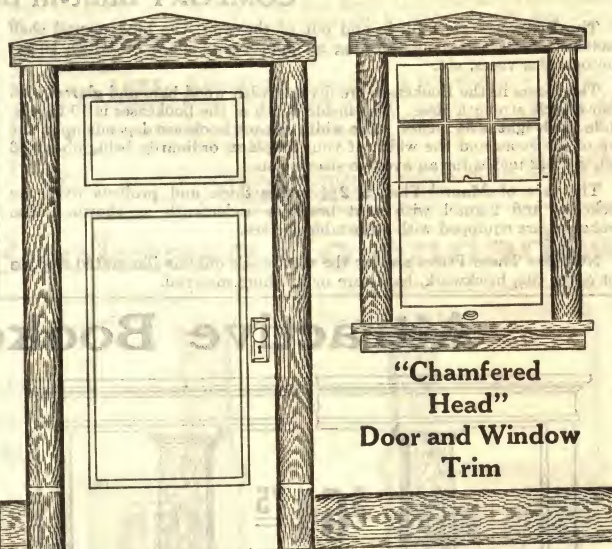
### O. G. WINDOW TRIM

Our O. G. Trim is a simple design used most where economy and practicability is the watchword. When carefully fitted and finished, makes a handsome trim.

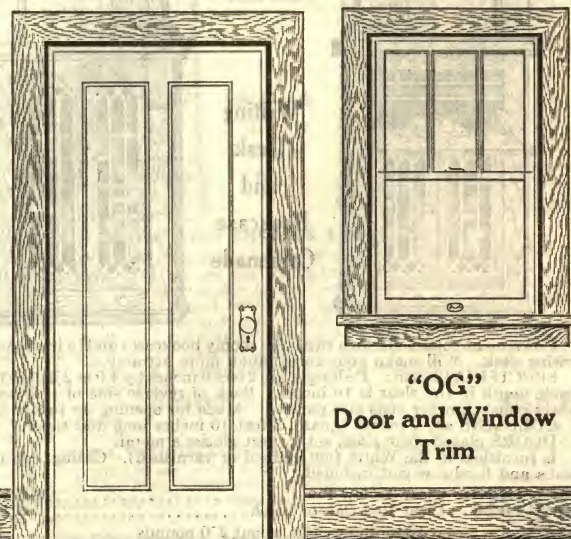
Any size door opening up to and including		Each set consists of $\frac{3}{4} \times 4 \frac{1}{4}$ inch O. G. Casing No. 8354, $\frac{3}{4} \times 1 \frac{1}{2}$ inch O. G. Stops.	Any size window opening up to and including		Each set consists of $\frac{3}{4} \times 4 \frac{1}{4}$ inch O. G. Casing No. 8354, No. 8267 Stool, No. 8379 Apron and O. G. Stops.
Width ft. in.	Height ft. in.	<b>10-A-975</b> Yellow Pine	Width ft. in.	Height ft. in.	<b>10-A-977</b> Yellow Pine
2-8x6-8		<b>\$1.02</b>	2-4 $\frac{1}{2}$ x3-10		<b>\$1.28</b>
3-0x7-0		<b>1.14</b>	2-6 $\frac{1}{2}$ x4-6		<b>1.33</b>
5-0x7-0		<b>1.25</b>	2-8 $\frac{1}{2}$ x5-2		<b>1.45</b>
8-0x8-0		<b>1.34</b>	2-10 $\frac{1}{2}$ x5-6		<b>1.45</b>
9-0x9-0		<b>1.49</b>	3-8 $\frac{1}{2}$ x6-2		<b>1.76</b>



## "3 Member Cap" Door and Window Trim



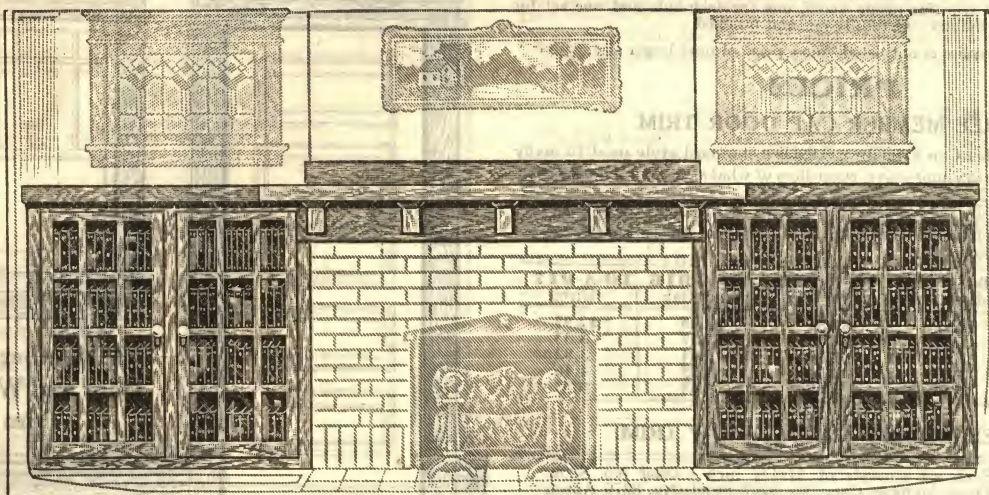
### “Chamfered Head” Door and Window Trim



## “OG” Door and Window Trim



# Built-in Bookcase and Mantel Shelf



**COMFORT Built-in Bookcase. No. 10-A-2105.**

The Bookcases are built-in and out of the way; the long mantel shelf stretches across the room, forming an appropriate place on which to set photographs, vases, etc.

The Doors in the Bookcases are divided with wood bars and glazed with clear double strength glass. The inside depth of the bookcases is 10 inches, while the height is 54 inches. The width of each bookcase depends upon the size of the room and the width of your fireplace, ordinarily being about 36 inches to 42 inches for an average sized room.

The face of Mantel Shelf is 2 3/4 inches thick and projects over the bookcases and mantel with neat brackets underneath as shown. The bookcases are equipped with adjustable shelves.

**NOTE:** These Prices are for the woodwork only as illustrated and do not cover tile, brickwork, hardware or finishing material.

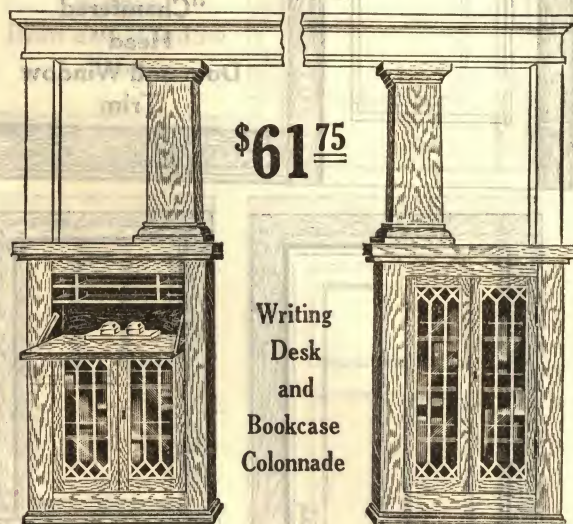
## SIZES AND PRICES

Price Consisting of two Bookcases and one Mantel Shelf, as shown in illustration.

COMFORT No. 10-A-2105 2 Bookcases and Mantel Shelf for Room	Price, made of Clear Yellow Pine, Glazed Clear Double Strength Glass	Price, made of Red Oak or Unselected Birch, Glazed Clear Double Strength Glass
10 Feet Wide	\$77.10	\$87.00
12 Feet Wide	78.70	88.50
14 Feet Wide	80.55	89.85
16 Feet Wide	82.20	91.40

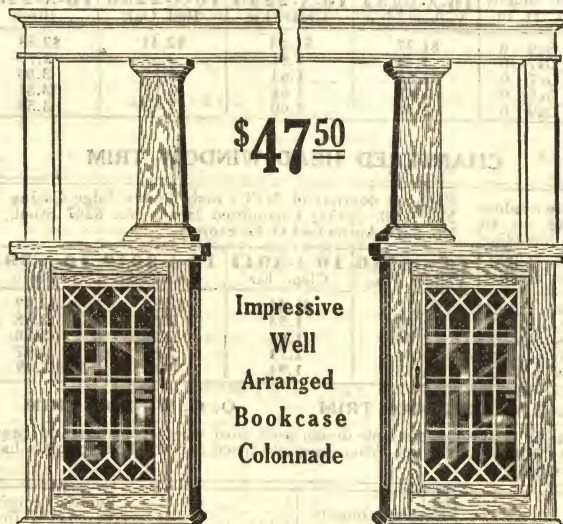
**NOTE:** When ordering give width of entire room, width, depth and height of fireplace. A rough pencil sketch is recommended.

## Attractive Bookcase Colonnades



**\$61<sup>75</sup>**

Writing  
Desk  
and  
Bookcase  
Colonnade



**\$47<sup>50</sup>**

Impressive  
Well  
Arranged  
Bookcase  
Colonnade

Convenient colonnade with two large roomy bookcases and in it a spacious writing desk. Will make your room much more attractive.

**SPECIFICATIONS:** Pedestals are 2 feet 6 inches by 4 feet 2 inches high. Inside depth in the clear is 10 inches. Back of reverse side of pedestals is neatly paneled, other ends also paneled. Made for opening up to 8 ft. high. COLUMNS are 7 inches square, 3 feet 10 inches long and taper.

DOORS glazed clear glass, set in best glazier's metal.

Is furnished in the White (not stained or varnished). Casing, cap trim, jambs and hardware not included.

**10-A-1925.** Clear Yellow Pine ..... **\$61.75**  
**10-A-1926.** Clear Red Oak or Birch ..... **67.50**

Shipping weight, about 270 pounds

Hardware for above **\$2.70** additional, either Lemon Brass or Antique Copper Finish.

This splendid colonnade will harmonize with practically any style of interior trim. It will add a touch of dignity to your home and in addition serve as a convenient bookcase or china closet.

**SPECIFICATIONS:** Suitable for openings from 6 feet to 12 feet wide and up to 8 feet high. Columns are 6 inches clear and tapered. Pedestals are 2 feet wide by 4 feet 2 inches high. Inside depth 8 inches.

DOORS are glazed with clear glass and set in best glazier's metal.

Furnished in white (not stained or varnished). Casing, cap, trim, jambs and hardware not included.

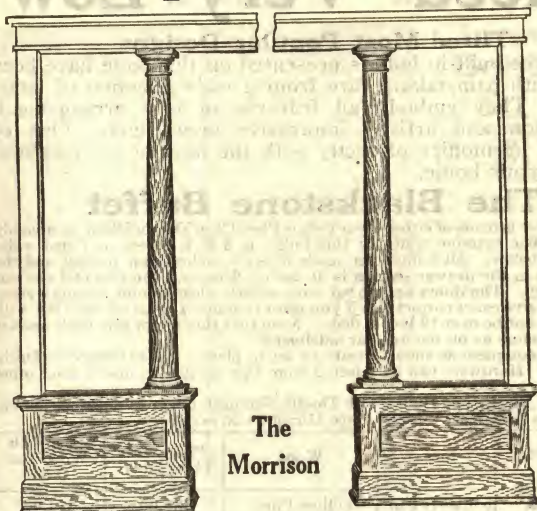
**10-A-1927.** Clear Yellow Pine ..... **\$47.50**  
**10-A-1928.** Clear Red Oak or Birch ..... **52.60**

Shipping weight about 250 pounds.

Hardware for above **\$1.60** additional, either Lemon Brass or Antique Copper Finish.



# Impressive Colonnades of Quality

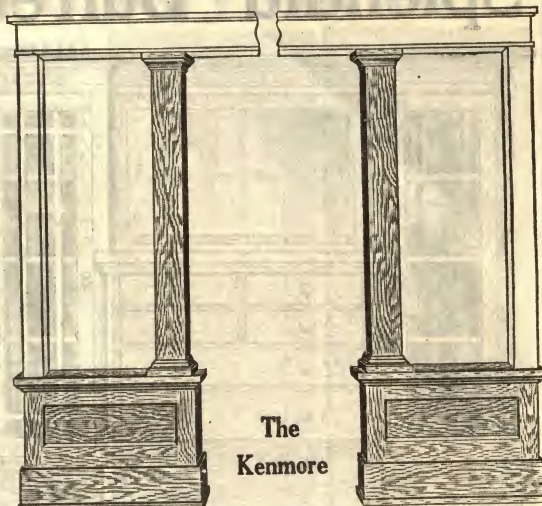


The  
Morrison

For openings 7 feet wide and wider. Made of select clear, kiln dried oak, yellow pine, or birch. Come to you in the white (not stained or varnished).

Prices do not include base board casing or cap trim.

This should match the trim in your house.



The  
Kenmore

The pedestals project 2 feet from the jamb, they are 2 feet high and about 11 1/4 inches on face, made to fit over a 5 1/2 inch jamb. The columns are 6 inches in diameter and have a plain turned wood cap and base. The base board shown in illustration around the pedestal is not included. It should match balance of base in room.

No. 10-A-1249. MORRISON Colonnade, 9 feet wide by 9 feet high or smaller, furnished in Clear Yellow Pine. **\$24.90**

No. 10-A-1252. MORRISON Colonnade, 9 feet wide by 9 feet high or smaller, furnished in Oak or Birch. **\$30.45**

We can furnish this same colonnade with ornamental composition caps at extra **\$5.60**

NOTE: For each additional foot, either in width or height, add **\$2.00**. Shipping weight approximately 200 pounds.

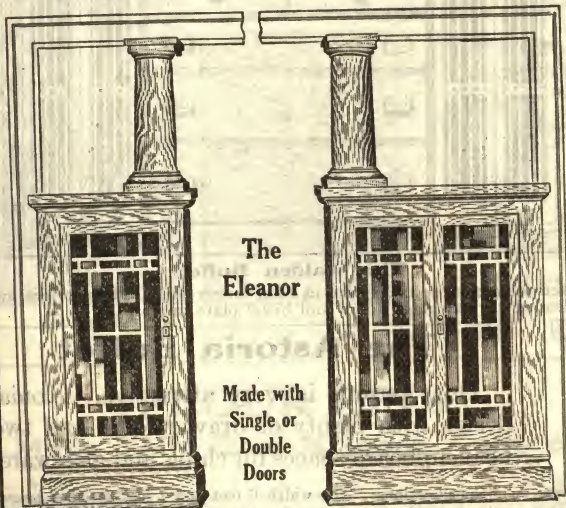
Will add big improvement to any home. The pedestals project 2 feet from the jamb; they are 2 feet high and about 11 1/4 inches on face, made to fit over a 5 1/2 inch jamb. The columns are 6 inches square and have a plain wood cap and base. The regular room base should be used around the pedestals as shown in illustration and is not included. It should match balance of base in room.

No. 10-A-1293. KENMORE Colonnade, 9 feet wide by 9 feet high or smaller, furnished in Clear Yellow Pine. **\$26.30**

No. 10-A-1294. KENMORE Colonnade, 9 feet wide by 9 feet high or smaller, furnished in Oak or Birch. **\$32.45**

NOTE: For each additional foot, either in width or height, add **\$2.00**. Shipping weight approximately 200 pounds.

## Modern Convenient Bookcase Colonnades

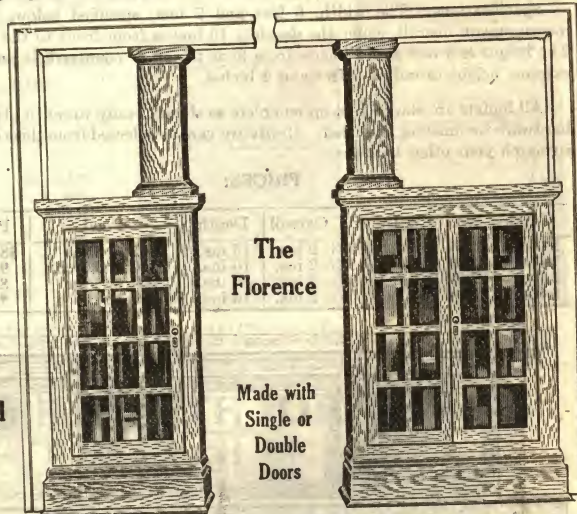


The  
Eleanor

Made with  
Single or  
Double  
Doors

Furnished  
in the  
White

Not  
Stained  
or  
Varnished



The  
Florence

Made with  
Single or  
Double  
Doors

### Made with Leaded Glass Doors.

Finished in figured clear yellow pine, clear figured solid oak or birch. Substantial doors—will not sag or bind. Best material, every piece selected for its grain and color. The columns are 7 1/2 inches in diameter and have a turned wood cap and base. The reverse side of the bookcase compartment facing the dining room is paneled and will harmonize very nicely with modern design wall paneling. Base board not included should match balance of base in room.

10-A-2101. "ELEANOR" Colonnade with single door pedestals to be used in an opening measuring not less than 8 feet wide and up to 9 feet high. Pedestals measure over-all, 2 feet 4 inches wide, 4 feet 9 inches high and 11 inches deep. Prices, not including Hardware **\$68.00**

Clear yellow pine **\$78.20**

Clear oak or birch **\$84.25**

10-A-2102. "ELEANOR" Colonnade with double door pedestals to be used in an opening measuring not less than 9 feet 6 inches wide and up to 9 feet high. Pedestals measure over-all 3 feet 4 inches wide, 4 feet 9 inches high and 11 inches deep. Prices, not including Hardware **\$92.25**

Clear yellow pine **\$92.25**

Clear oak or birch **\$92.25**

Average shipping weight, 350 pounds.

### Made with Divided Light Doors.

"Craftsman" style Colonnade. Glass doors divided in square lights with neat wood bars. The pillars are 7 1/2 inches square and have plain wood caps and bases. The reverse side of the bookcase compartments which face the dining room are finished with two vertical panels the same height as the doors. Base board not included. Should match balance of base in room.

10-A-2103. "FLORENCE" Colonnade with single door pedestals to be used in an opening any width measuring not less than 3 feet and up to 9 feet high. Pedestals measure over-all 2 feet 4 inches wide, 4 feet 9 inches high and 11 inches deep.

Prices, not including Hardware **\$65.60**

Clear yellow pine **\$76.20**

Clear oak or birch **\$82.10**

10-A-2104. "FLORENCE" Colonnade with double door pedestals to be used in an opening of any width measuring not less than 3 feet 6 inches wide and up to 9 feet high. Pedestals measure over-all 3 feet 4 inches wide, 4 feet 9 inches high and 11 inches deep.

Prices, not including Hardware **\$82.10**

Clear yellow pine **\$90.40**

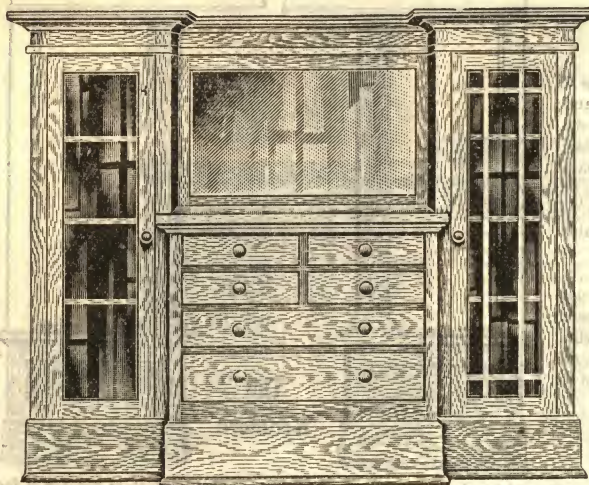
Clear oak or birch **\$90.40**

Average shipping weight, 325 pounds.

HARRIS BROTHERS COMPANY, 35th and Iron Streets, CHICAGO



# Splendid Buffets Priced Very Low



**The Blackstone Buffet**

Intermediate sizes take the price of next larger size.

## Three Most Popular Designs

The three built-in buffets presented on this page have been chosen with painstaking care from a wide selection of latest designs. They embody all features of best arrangement, construction and artistic impressive appearance. One of them will harmonize perfectly with the interior architectural detail of your home.

## The Blackstone Buffet

This buffet is made of either Clear Yellow Pine, Clear Oak or Birch, thoroughly kiln dried. The extreme width of this buffet is 5 feet, 6 feet or 7 feet wide, as described below. All buffets are made 5 feet 6 inches high overall and the center, which is the drawer section is 16 inches deep and the two end sections 12 inches deep. The doors are glazed with strictly clear double strength glass. Be careful to give exact correct size if you want to build it in an offset in the wall, which should not be over 12 inches deep. Note that the mirror sets back against the wall the same as on our regular sideboards.

Shipped complete as shown, ready to set in place. No hardware or finishing included. Hardware can be selected from this catalog to match your other hardware.

Prices of Blackstone Buffet with Double Strength Glass in doors, as shown. and Plain Plate Mirror. Bevel Plate Mirror \$4.50 extra.

Catalog No.	Sizes	Wood	Price with Plain Doors	Price with Wood Bar Doors
10-A-713	5 ft. x 5 ft. 6 in.	Yellow Pine	\$81.00	\$84.00
10-A-714	6 ft. x 5 ft. 6 in.	Yellow Pine	82.40	85.40
10-A-715	7 ft. x 5 ft. 6 in.	Yellow Pine	84.20	87.20
10-A-718	5 ft. x 5 ft. 6 in.	Oak or Birch	88.25	91.25
10-A-719	6 ft. x 5 ft. 6 in.	Oak or Birch	89.65	92.65
10-A-720	7 ft. x 5 ft. 6 in.	Oak or Birch	91.40	94.40

## The Walden Buffet

Our Walden, is one of the most popular designs ever offered. Built along simple yet very attractive lines, particular attention being paid to proper and convenient arrangement of doors and drawers. These new Craftsman Buffets are made to set out of the wall, the ends being nicely finished and the back is closed. Like all our cabinet work, the material used in this buffet is carefully selected from thoroughly kiln dried clear lumber.

Specifications: The width, 6 feet and 7 feet, specified below, is the measurement overall, while the depth is 16 inches from front to the back. The height is 3 feet and 6 inches from floor to top of countershelf and the extreme height overall is 5 feet and 2 inches.

All buffets are shipped set up complete as shown, ready to set in place, no hardware or finishing included. Hardware can be selected from this catalog to match your other hardware.

### PRICES:

Catalog No.	W'th.	Ht. Overall	Depth	Wood	Price
10-A-1375	6 ft.	5 ft. 2 ins.	16 ins.	Yellow Pine	\$85.50
10-A-1376	6 ft.	5 ft. 2 ins.	16 ins.	Oak or Birch	93.00
10-A-1377	7 ft.	5 ft. 2 ins.	16 ins.	Yellow Pine	87.90
10-A-1378	7 ft.	5 ft. 2 ins.	16 ins.	Oak or Birch	95.40



**The Walden Buffet**

Intermediate sizes take price of next larger size. These prices are for leaded crystal glass doors and bevel plate mirror.

## The Astoria Buffet

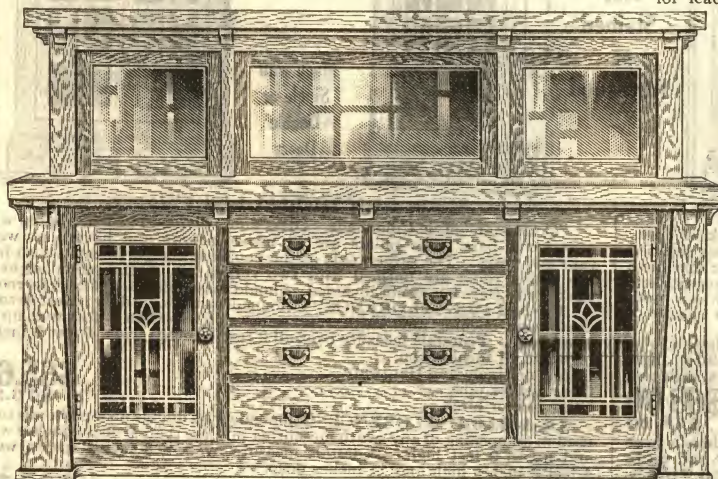
Our Astoria is very attractive, Colonial design with plenty of drawer room and two neat cupboard spaces for china and glassware.

Specifications: The width, 6 feet and 7 feet, specified below, is the measurement over-all, while the depth is 18 inches from front to the back. The height is 3 feet and 6 inches from floor to top of countershelf and the extreme height overall is 5 feet and 2 inches.

All buffets are shipped complete as shown, ready to set in place, no hardware or finishing included. Hardware can be selected from this catalog to match your other hardware.

### PRICES:

Catalog No.	Wd.	Height Overall	Dpt.	Wood	Price
10-A-2120	6 ft.	5 ft. 2 ins.	18 ins.	Yellow Pine	\$83.50
10-A-2121	6 ft.	5 ft. 2 ins.	18 ins.	Oak or Birch	95.60
10-A-2122	7 ft.	5 ft. 2 ins.	18 ins.	Yellow Pine	90.20
10-A-2123	7 ft.	5 ft. 2 ins.	18 ins.	Oak or Birch	95.45

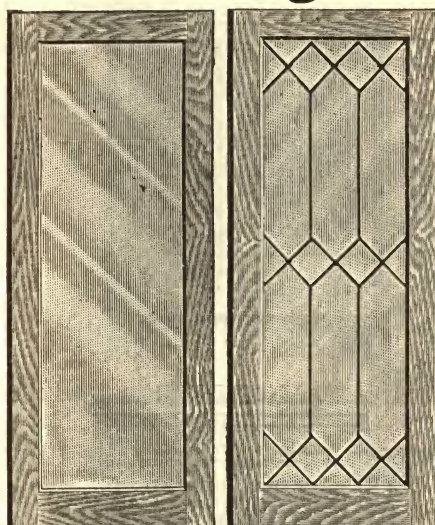


**The Astoria Buffet**

Intermediate sizes take price of next larger size. These prices are for leaded crystal glass doors and plain plate mirrors. Bevel plate mirror, add \$4.50.



# A Page for the Handy Man



10-A-201

10-A-204

## China Closets and Book Case Doors

In these four designs, we offer a choice from which any one building a china closet can make a satisfactory selection. No. 10-A-201 is a glazed clear glass, and Nos. 10-A-204 and 10-A-202 are glazed with Leaded Crystal Glass. No. 10-A-203 is exceptionally artistic and is a combination of a rich color in the design only, with a clear glass background. Just enough color to make it look pretty and desirable for either china closet or bookcase doors.

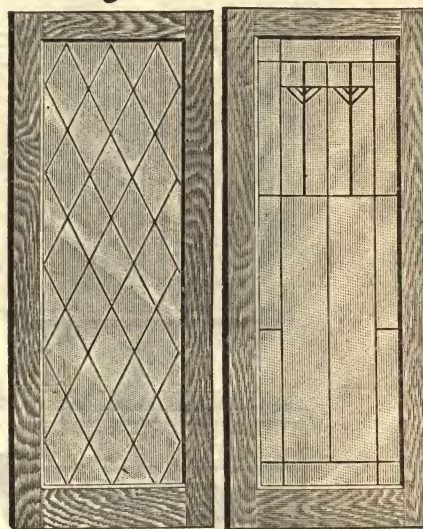
Our China Closet Doors are made 1 1/4-inch thick and furnished in either clear Pine or Red Oak.

### Prices on China Closet Doors Clear Pine

SIZES	10-A-201	10-A-204	10-A-202	10-A-203
1-6 x 3-0	\$1.74	\$4.31	\$4.45	\$4.86
1-8 x 3-4	2.17	5.48	5.66	6.09
1-6 x 4-0	2.26	5.88	6.08	6.43
1-8 x 4-0	2.57	6.56	6.78	7.13

Shipping Weight 25 Pounds.

For Red Oak Wood add 60c extra each Door.  
Important: All Glass in the above doors set in with wood stops.



10-A-202

10-A-203



10-A-222

## High Quality Cupboard Doors

Our Cupboard Doors are of the neatest design and excellent workmanship. These doors are manufactured from the finest grade of seasoned lumber and we guarantee that they will not warp or check in any way. With these doors it will be very easy to construct an excellent design of cabinet and the cost of the entire cabinet can thus be kept within a very low figure. The doors are made of Clear Pine with a beautiful grain. We carry these doors in stock in two thicknesses, 3/4 inch and 1 1/8 inches. Be sure to specify thickness when ordering as this is very important.

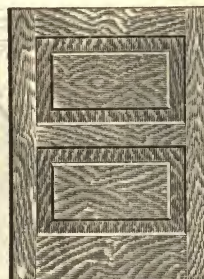


This is the way the short two vertical panel doors appear, generally used in kitchen cupboards or pantry cases.

### Prices on Cupboard Doors 10-A-222 and 10-A-225

—SIZES—		3/4 In. Thick	1 1/8 In. Thick
Width	Height	Clear Yellow Pine	Clear Yellow Pine
Ft. in.	Ft. in.		
1-6 x 2-0		\$1.17	\$1.29
1-6 x 2-6		1.50	1.65
1-6 x 3-0		1.62	1.80
1-6 x 4-0		2.07	2.31
1-8 x 2-6		1.58	1.73
1-8 x 4-0		2.22	2.40

Shipping Weight 25 Pounds.

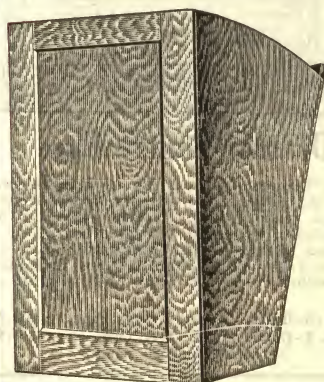


10-A-225

The above shows the appearance of the short 2 ft. and 2 ft. 6 in. doors containing only 2 panels—3 ft. is 3 panel. Over 3 ft. high, 4 panel.

## FLOUR BINS

### Make Your Own Kitchen Cabinet



Just the thing to use for the construction of kitchen cabinet or pantry cupboard. It is a tilting flour bin made of selected wood, clear yellow pine face and lined with basswood.

When ordered "Knock Down" all material is shipped, smoothed and ready to put together, but is shipped to you knocked down.

The bin is so arranged that it can be fastened at the bottom with small loose bin butts, giving it an excellent tilt of arrangement and yet making it possible to take it out of the cabinet for cleaning and airing.

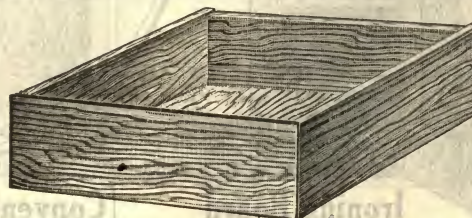
These bins are made 2 ft. 6 in. high, 1 ft. 6 in. wide, 9 in. at the bottom and 17 in. at the top.

No. 10-A-882. Price in the Knock Down.....\$6.48

No. 10-A-883. Price Set Up.....\$7.28

Shipping Weight 38 Pounds.

## SEPARATE DRAWERS



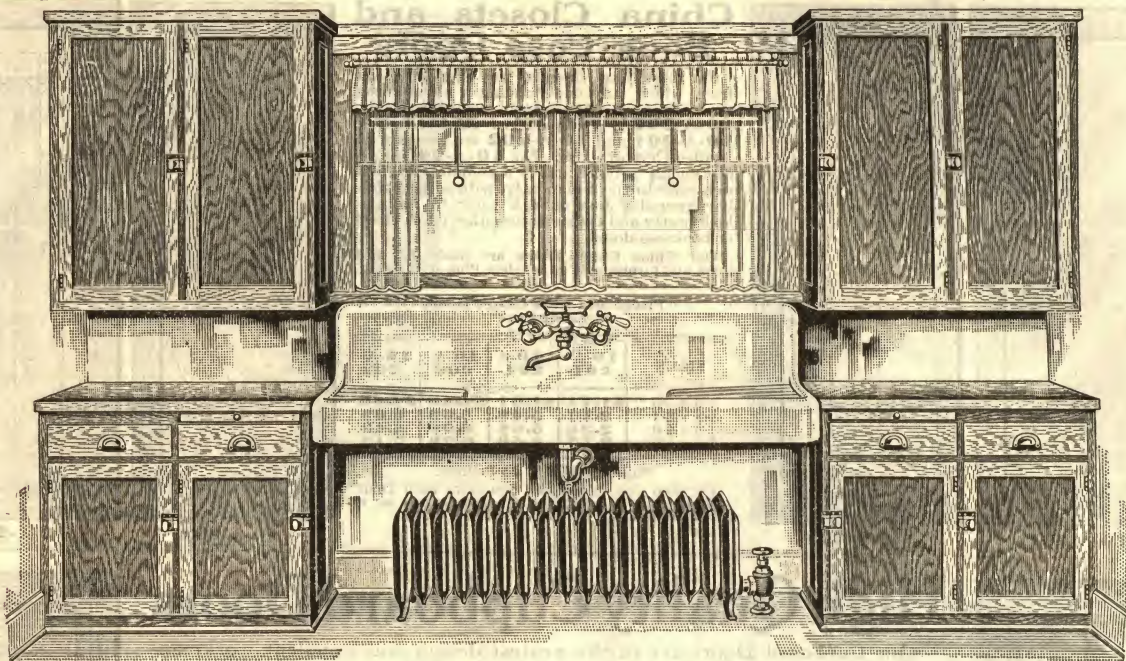
These drawers are made from seasoned, selected stock, with clear Yellow Pine lip face and soft wood body. They are well manufactured in every way. We furnish in the most desirable sizes, listed below, all drawers being made 18 inches deep.

Size Width up to	Height In.	Depth In.	10-A-879		10-A-880	
			Price, Each, K. D.		Price, Each, Set Up	
			Y.P.	Oak	Y.P.	Oak
1' 5"	4 3/4"	18	\$1.45	\$1.83	\$1.80	\$2.18
3'	6 3/4"	18	2.22	2.51	2.65	2.86

Shipping Weight 16 Pounds.



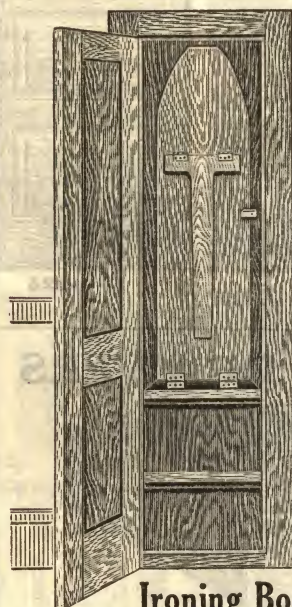
# Modern Built-In Conveniences



## Ingenious Unit Cabinets Present Many Splendid Combinations!

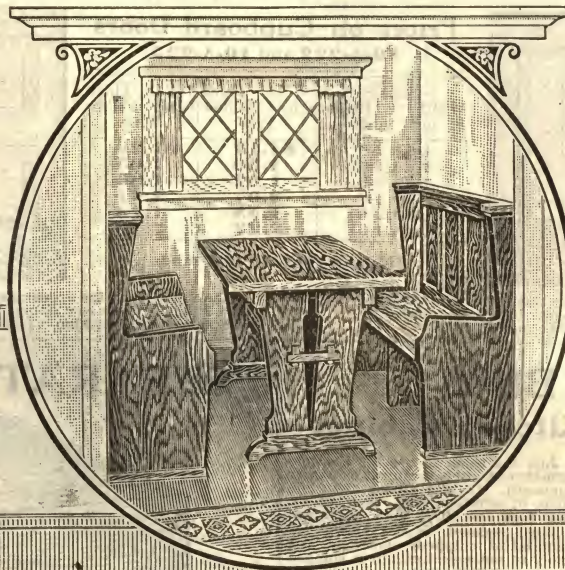
Unlimited possibilities are provided with our improved sectional wall and table unit kitchen cabinets. The combination above is obtained by using two wall units and two table or base units. Made of carefully selected clear yellow pine. Furnished in the Natural wood (not finished). Hardware not included.

**10-A-638.** Wall Units—36 inches wide, 12 inches deep, 42 inches high with 3 shelves. Clear Yellow Pine. Each..... **\$13.50**  
**10-A-640.** Table or Base Units—36 inches wide, 20 inches deep and 30 inches high with chopping board, 2 drawers and roomy pot cupboards with shelves. Clear Yellow Pine. Each..... **\$15.00**



### Ironing Board

**10-A-680.** A full size built-in ironing board, universally recognized as a necessity in all modern homes. Always ready, still it is out of the way saving work, space, time and labor. Usually installed with socket for electric iron. Lower shelf provided for small articles. Complete as shown, not including hardware and outside trim. Made for wall opening 14 inches wide, 80 inches high, 4 1/2 inches deep. (Fits between studs set on 16 inch centers.) Made of yellow pine. Weight, complete, 80 lbs. Price..... **\$16.75**

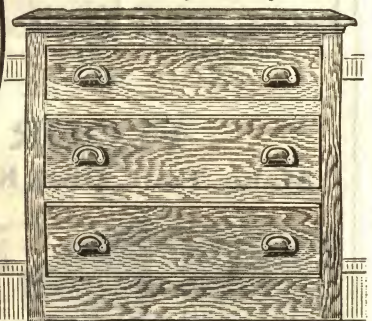


### Convenient Breakfast Alcove

Price includes two seats, and one table for floor space 6 feet wide by 4 feet deep. The height from floor to top of seat back is 3 feet 8 inches, height from floor to seat is 1 foot 6 inches. Seat is 1 foot 6 inches deep by 4 feet long. The table top is 2 feet 8 inches wide by 4 feet long. Height from floor to top of table is 2 feet 6 inches. Made from strictly clear lumber, sand papered and ready for finish. Shipped all put together as shown. Other sizes to order. Shipping weight 200 pounds.  
 No. **10-A-2148.** Breakfast Alcove Yellow Pine..... **\$57.00**  
 No. **10-A-2149.** Breakfast Alcove Oak or Birch..... **\$64.50**

## Please Read!

The built-in cabinet work shown in these pages represent only a few suggestions in standard articles for quick delivery. Our designers are waiting to help you plan special cabinet work, developing your own ideas. A rough pencil sketch is all we need to advise you fully.

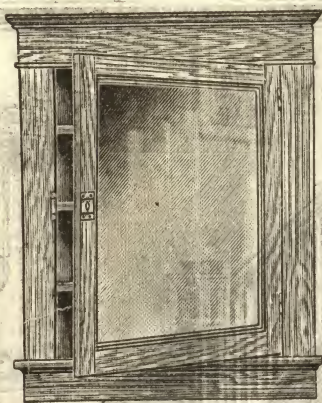


### Drawer Pantry Case

This Drawer Case can be used in pantries, closets, etc. It is made with three large drawers as shown, made of Clear, Yellow Pine and Oak, not painted or varnished, but smoothed, ready for any finish to match your woodwork. This case measures 3 feet wide, 2 feet 10 inches high and 1 foot 4 inches deep. The sides and back are not sealed.  
 No. **10-A-908.** Clear, Yellow Pine.... **\$9.00**  
 No. **10-A-909.** Clear, Red Oak..... **\$10.90**  
 Shipping weight 90 pounds



# CABINETS—CUPBOARDS—SIDEBOARDS



**Neat Medicine Cabinet**

**SPECIFICATIONS:** Size of door 1 foot 6 inches wide by 1 foot 10 inches high. Depth of case in wall 4 1/2 inches. Opening in wall 1 foot 8 inches wide by 2 feet high. Size of mirror 14 inches by 18 inches. Adjustable wooden shelves, furnished with casing, head trim, etc., as shown in illustration. No hardware or finishing included.

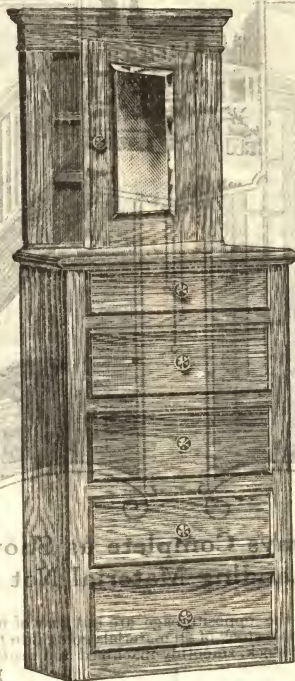
No. 10-A-851. Yellow Pine, Glazed with plain Plate Mirror. Price.....\$8.90

No. 10-A-852. Yellow Pine, Glazed with Bevel Plate Mirror. Price.....\$9.60

No. 10-A-853. Oak or Birch, Glazed with Plain Plate Mirror. Price.....\$9.80

No. 10-A-854. Oak or Birch, Glazed with Bevel Plate Mirror. Price.....\$10.45

Shipping weight, 60 pounds.



**10-A-891**

## Combination Medicine Cabinet and Bath Linen Case!

Of best quality material, specially selected for this class of work. The one small drawer and four large drawers below are just the thing for towels and toilet articles of all kinds.

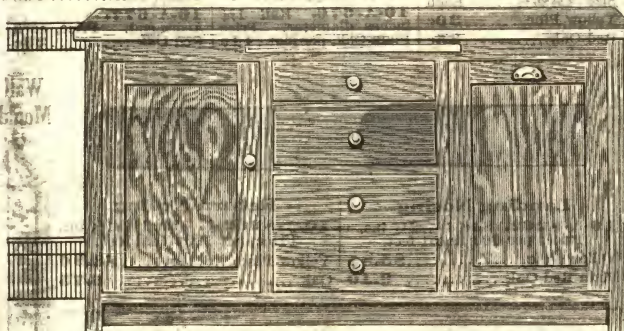
**SPECIFICATIONS:** Lower section containing drawers is 12 inches deep, 24 inches wide and measures 4 feet from the floor and has both ends finished to extend into room. Upper section is the same as our No. 10-A-851 Medicine Cabinet; size of mirror is 14 inches wide and 18 inches high. No hardware or finishing included.

No. 10-A-891. Yellow Pine, Glazed Bevel Plate Mirror. Price.....\$26.60

No. 10-A-891A. Oak or Birch, Glazed Bevel Plate Mirror. Price.....29.95

Shipping weight, 190 pounds.

## Modern Kitchen Table

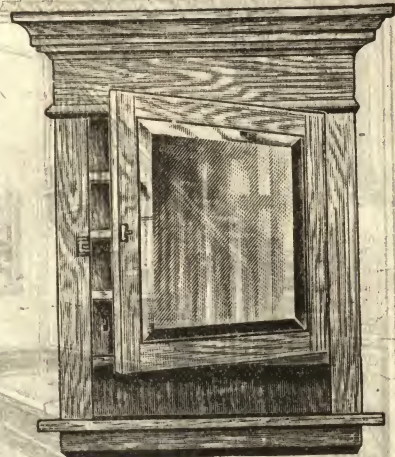


Usefulness and beauty are the requirements for Kitchen Furniture. This Kitchen Table is useful and will save the housewife many trips to the pantry. Is made to order in Yellow Pine or Oak, 4 ft. 6 ins. wide, 2 ft. 10 ins. high and 20 ins. deep. Four convenient drawers, roomy utensil cupboard, large capacity tilting flour bin and chopping board. No hardware or finishing included.

No. 10-A-912. Yellow Pine. Price.....\$23.10

No. 10-A-913. Oak or Birch. Price.....25.05

Shipping weight, 180 pounds.



**Medicine Cabinet With Open Bottom Shelf**

**SPECIFICATIONS:** Size of Door, 1 foot 6 inches wide by 1 foot 10 inches high. Openings in wall, 1 foot 8 inches wide by 2 feet 6 inches high. Depth of case in wall, 4 1/2 inches. Adjustable wooden shelves, furnished with casing, head trim, etc., as shown in illustration. No hardware or finishing included.

No. 10-A-889. Yellow Pine, Glazed with Plain Plate Mirror. Price.....\$ 9.90

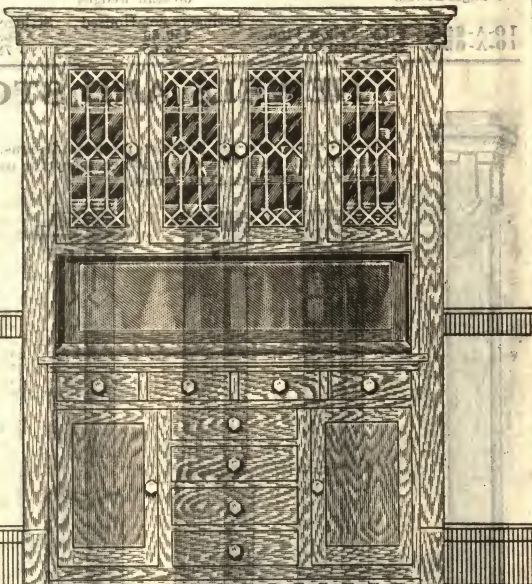
No. 10-A-890. Yellow Pine, Glazed with Beveled Plate Mirror. Price.....\$10.80

No. 10-A-892. Oak or Birch, Glazed with Plain Plate Mirror. Price.....\$10.75

No. 10-A-893. Oak or Birch, Glazed with Bevel Plate Mirror. Price.....\$11.65

Shipping weight, 70 pounds.

## Ravenswood Sideboard With Leaded Glass Doors



This beautiful cabinet is built to set in recess and furnished 5 feet and 6 feet wide, 14 inches deep; made to line up with 6 feet 8 inch or 7 foot doors. Prices include leaded glass doors as shown and plain plate mirror. No hardware. Furnished in the white, (not stained or varnished). No face trim included. One set consisting of one side of opening trim required for each cabinet. See trim pages. Shipping weight, 390 pounds.

No. 10-A-800. Size: 5 feet wide and 6 feet 8 inches or 7 feet high. Clear Yellow Pine. Price.....\$70.05

No. 10-A-801. Red Oak.....\$77.55

No. 10-A-803. Size: 6 feet wide and 6 feet 8 inches or 7 feet high. Clear Yellow Pine. Price.....\$72.20

No. 10-A-804. Red Oak.....\$79.10

If to extend into room with sides exposed, add \$2.00 for Yellow Pine and \$2.50 for Oak. For Beveled Plate Mirror add \$2.50.



# ATTRACTIVE INTERIOR STAIRWAYS



**Stairways Complete as Shown  
Flooring or Landing Material Not Included**

The interior stairways shown on this and the opposite page are but four of numerous designs which we can furnish. We have found these to be the most popular and keep ample stock of all materials going into their construction on hand for quick shipment in oak, and yellow pine. All carefully selected, clear stock, smoothly machined and ready for oil, stain, paint or enamel.

## Material for Stairway Above

All material to complete the stairway above furnished as follows:  
For stairway opening 3 ft. wide; height from finished first floor to finished second floor about 9 ft.

- |                                    |   |
|------------------------------------|---|
| 1 starting tread and riser sq. end | 1/2 Angle newel                             |
| 15 risers, 3/4x7 1/2—3 feet        | 14 lineal feet hand rail                    |
| 13 treads, 1 1/2x10 1/2—3 feet     | 120 lineal feet, 1 1/2x1 1/4 balusters      |
| 2 ldg. treads, 1 1/2x2 1/4—3 feet  | 24 lineal feet wall mldg.                   |
| 2 stringers, 3/4x9 1/2—10 feet     | 60 lineal feet stair cove                   |
| 2 stringers, 3/4x9 1/2—6 feet      | 10 lineal feet returning nosing 1 1/2x1 1/2 |
| 2 starting newels                  | 4 base blox                                 |
| 2 angle newels                     | 60 stair wedges                             |

10-A-695.	Price, Yellow Pine...	\$50.60	Stringers not Housed	\$63.40	Stringers Housed
10-A-696.	Price, Red Oak.....	66.65		78.90	

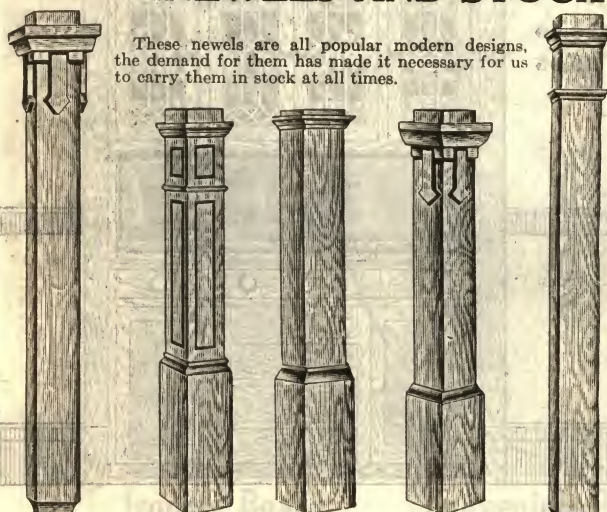
## Material for Stairway Above

All material to complete the stairway above furnished as follows:  
For stairway opening 3 ft. wide; height from finished first floor to finished second floor about 9 ft.

- |  |  |
|--|--|
| 2 stringers, 3/4x9 1/2—16 feet           | 15 risers, 3/4x7 1/2—3 feet                  |
| 1 starting tread and riser, 2 circle end | 12 treads, 1 1/2x10 1/2—3 feet               |
| 1 starting newel                         | 3 ldg. treads, 1 1/2x2 1/4—3 feet            |
| 1 landing newel                          | 3 base blox                                  |
| 1/2 starting newel                       | 40 lineal feet wall mldg.                    |
| 2 angle newels                           | 10 lineal feet returning nosing, 1 1/2x1 1/2 |
| 14 lineal feet hand rail                 | 70 lineal feet stair cove                    |
| 90 lineal feet balusters, 1 1/2x1 1/4    | 60 stair wedges                              |

10-A-697.	Price, Yellow Pine....	\$57.15	Stringers not Housed	\$69.95	Stringers Housed
10-A-698.	Price, Red Oak.....	94.10		106.90	

## NEWELS AND STOCK STAIRWAY MATERIALS



These newels are all popular modern designs, the demand for them has made it necessary for us to carry them in stock at all times.

10-A-685	10-A-124	10-A-206	10-A-684	10-A-128
Angle Newel	Main Newel	Main Newel	Mission	Angle or
Artist and Exclusive Designs, 8 inches at Base, 6 inch Shaft, 4 feet long, extra long base.				
10-A-124.	Price, each			
Yellow Pine.....	\$6.50			
Plain Oak.....	5.75			
10-A-206.	Price, each			
Yellow Pine.....	\$4.70			
Plain Oak.....	6.45			
10-A-684.	Cap. 9 1/4 ins., Shaft, 6 ins. Base 7 1/4 ins. Height, 4 ft. Price			
Yellow Pine.....	\$7.20			
Red Oak.....	8.90			

<b>Wall Rosette</b>	<b>Round Rail</b>	<b>End for Round Rail</b>
10-A-669	10-A-670. Rail, 1 1/2 inches diameter, Price	10-A-671. Acorn end, Price, each
Size 4 1/2x4 1/2	Yellow Pine, per foot 7c	Yellow Pine.....20c
Yellow Pine.....30c	10-A-676. Rail, 1 1/2 inches diameter, Price	10-A-677. Acorn end, Price, each
Red Oak.....35c	Plain Oak, per foot. 11c	Red Oak.....23c

<b>Landing Nosing</b>	<b>Return Nosing</b>	
10-A-8262. Size, 1 1/2x2 1/4 ins. Price, per 100 lineal feet.	10-A-8262 1/2. Size, 1 1/2x1 1/4 ins. Price, per 100 lineal feet.	
Yellow Pine.....\$5.85	Yellow Pine.....\$3.90	
Plain Red Oak.....9.40	Oak.....6.75	

## Stair Stringers and Wall Mould

	Size	Wood	Price
10-A-654.	Wallmold..... 3/4 x 1 1/2	Y. P.	\$ 1.60
10-A-655.	Wallmold..... 3/4 x 1 1/2	Oak	2.90
10-A-656.	String..... 1 x 10	Y. P.	10.50
10-A-678 1/2	String..... 1 x 12	Y. P.	12.50
10-A-657.	String..... 1 x 10	Oak	18.75
10-A-679 1/2.	String..... 1 x 12	Oak	20.60



# FOR MODERN AMERICAN HOMES



Any one of the elegant interior stairways illustrated on these pages are furnished complete, to you at a surprisingly low cost. After you have decided upon the style you wish, simply make a rough pencil sketch of the opening in your building allowed for stairway, showing the width between finished walls and the height from finished first floor to finished second floor. With this information, we will be able to tell you exactly what the stairway for your building will cost you.

## Material for Stairway Above

All material to complete the stairway above furnished as follows:  
For stairway opening 3 ft. wide; height from finished first floor to finished second floor about 9 ft.

- |   |   |
|---|---|
| 2 stringers, $\frac{3}{4}$ x 9 $\frac{1}{2}$ —16 feet   | 24 lineal feet wall midg.                                     |
| 16 risers, $\frac{3}{4}$ x 7 $\frac{1}{2}$ —3 feet      | 70 lineal feet stair cove                                     |
| 13 treads, $1\frac{1}{4}$ x 10 $\frac{1}{4}$ —3 feet    | 4 base box  |
| 3 ldg. treads, $1\frac{1}{4}$ x 2 $\frac{1}{4}$ —3 feet | 14 lineal feet hand rail                                      |
| 1 starting newels                                       | 1 $\frac{3}{4}$ x 7 $\frac{1}{2}$ —4 feet                     |
| 2 angle newels  | 10 lineal feet return nosing $1\frac{1}{4}$ x 1 $\frac{1}{2}$ |
| 1 one-half starting newel                               | 40 stair wedges   |
| 27 turned balusters, 28 inches                          |   |

10-A-856. Price, Yellow Pine.....	Stringers not Housed \$42.40	Stringers Housed \$55.20
10-A-857. Price, Red Oak.....	48.40	81.20

## Material for Stairway Above

All material to complete the stairway above furnished as follows:  
For stairway opening 3 ft. wide; height from finished first floor to finished second floor about 9 ft.

- |  |   |
|--|---|
| 2 stringers, $\frac{3}{4}$ x 9 $\frac{1}{2}$ —16 feet.       | 2 angle newels  |
| 1 stringer, $\frac{3}{4}$ x 11 $\frac{1}{2}$ —16 feet        | 4 angle newels  |
| 15 risers, $\frac{3}{4}$ x 7 $\frac{1}{2}$ —3 feet.          | 14 lineal feet shoe rail                                    |
| 1 riser, $\frac{3}{4}$ x 7 $\frac{1}{2}$ —4 feet             | 10 lineal feet fillet                                       |
| 14 treads, $1\frac{1}{4}$ x 10 $\frac{1}{4}$ —3 feet         | 24 lineal feet wall midg                                    |
| 1 tread, $1\frac{1}{4}$ x 10 $\frac{1}{4}$ —3 feet, 6 inches | 60 lineal feet stair cove                                   |
| 14 lineal feet hand rail                                     | 100 lineal feet, $1\frac{1}{4}$ x 1 $\frac{1}{2}$ balusters |
| 2 starting newels  | 40 stair wedges.  |

10-A-858. Price, Yellow Pine.....	Stringers not Housed \$31.25	Stringers Housed \$44.05
10-A-859. Price, Red Oak.....	56.25	69.05

## YOUR CHOICE OF OAK OR YELLOW PINE



**STAIR BALUSTERS**  
1  $\frac{1}{2}$  inches thick,  
28 or 32 inches  
long.

### SMOOTHLY FINISHED

No. 10-A-652  
Also supplied in  
long lengths.  
1  $\frac{1}{4}$  in. x 1  $\frac{1}{2}$  in.  
Yellow Pine  
\$1.95 per 100  
1  $\frac{1}{4}$  in. x 1  $\frac{1}{2}$  in.  
Red Oak  
\$3.45 per 100

10-A-118	10-A-652	Mission 10-A-689
----------	----------	---------------------

Cat. No.	Length 28 Inches	Length 32 Inches
1 $\frac{1}{4}$ ins. thick	Y-P. Oak	Y-P. Oak
10-A-118	\$0.28	\$0.40
10-A-652	.15	.25
		.18
		.30
		.30

### Stair Shoe and Fillet

Length 28 Inches	Length 32 Inches
Yellow Pine....	\$0.27
Red Oak.....	.29
	\$0.30
	.34

### Treads and Risers

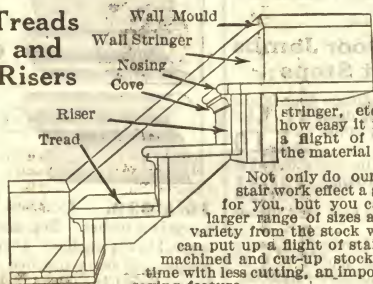


Illustration  
to the left  
shows a  
sectional  
view of our  
stair treads,  
risers,  
stringer, etc., showing  
how easy it is to put up  
a flight of stairs from  
the material we quote.

Not only do our prices on stairwork effect a great saving for you, but you can build a larger range of sizes and a larger variety from the stock we list. You can put up a flight of stairs from our machined and cut-up stock in quicker time with less cutting, an important labor-saving feature.

### Prices of Treads and Risers

Surfaced, cut smooth and nosed front. Clear Stock.

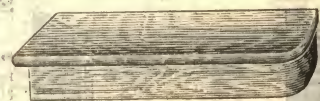
Number	Ins. Sizes Ft.	Y-P.	Oak
10-A-666. Riser	$\frac{3}{4}$ x 7 $\frac{1}{2}$ x 3	\$0.25	\$0.45
10-A-678. Riser	$\frac{3}{4}$ x 7 $\frac{1}{2}$ x 3 $\frac{1}{2}$	.29	.54
10-A-679. Riser	$\frac{3}{4}$ x 7 $\frac{1}{2}$ x 4	.35	.59
10-A-668. Tread	$1\frac{1}{4}$ x 11 $\frac{1}{2}$ x 3	.66	1.02
10-A-682. Tread	$1\frac{1}{4}$ x 11 $\frac{1}{2}$ x 3 $\frac{1}{2}$	.72	1.16
10-A-683. Tread	$1\frac{1}{4}$ x 11 $\frac{1}{2}$ x 4	.83	1.30

### Stair Railing



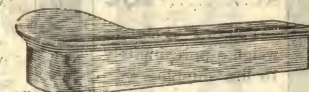
3 $\frac{1}{4}$ x 2 $\frac{3}{4}$ " Rabbed 1 $\frac{1}{2}$ "	2 $\frac{3}{4}$ x 3 $\frac{3}{4}$ inches
10-A-686. Mission Rail.	10-A-156.
Prices per lineal foot.	Prices per lineal foot.
Yellow Pine.....34c	Yellow Pine.....28c
Red Oak.....43c	Oak.....41c
Add 1c per foot if rabbed for 1 $\frac{1}{2}$ in. or 1 $\frac{1}{4}$ in. Balusters.	

### Circle Treads and Risers



Furnished Complete as Illustrated  
Built—Ready to Set in Place.  
Circle Step—Furnished Right or Left Hand  
Return. Illustration shows Right Hand Return.  
Prices for Sizes up to 4 ft. (Width of Stairs).

No.	Description	Wood	Price Each
10-A-672	R. H. Return.	Clear Y.P.	\$7.10
10-A-673	L. H. Return.	Clear Y.P.	7.10
10-A-674	R. H. Return.	Clear Oak	9.05
10-A-675	L. H. Return.	Clear Oak	9.05

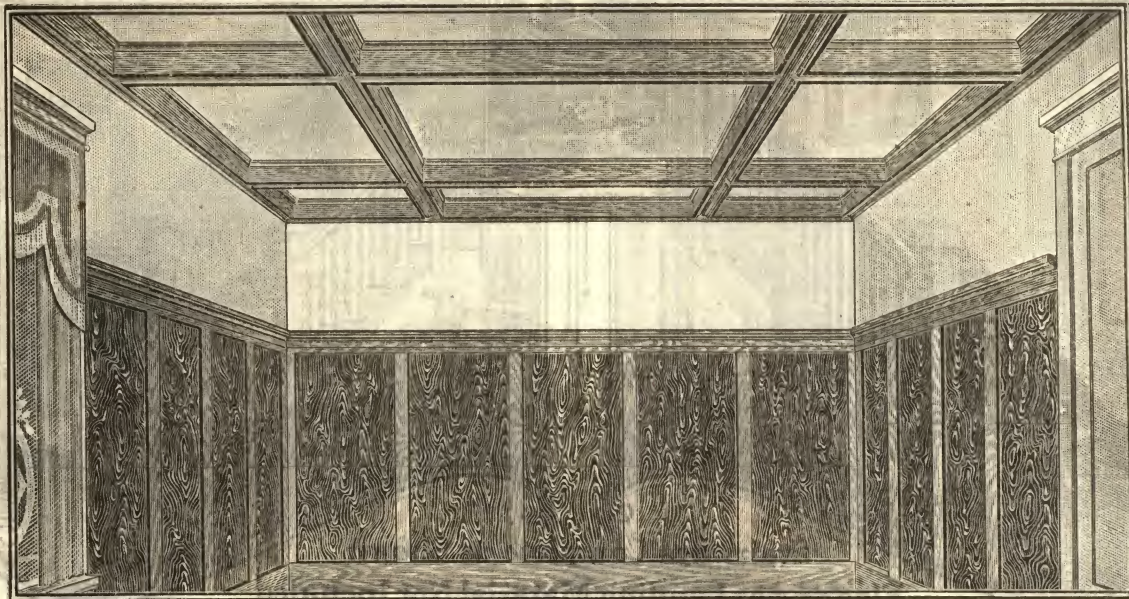


Furnished Complete as Illustrated  
Built—Ready to Set in Place  
Circle Step—Furnished Right or Left Hand  
Return. Illustration shows left hand return.  
Prices for Sizes up to 4 ft. (Width of Stairs)

No.	Description	Wood	Price Each
10-A-660	L. H. Return.	Clear Y.P.	\$7.30
10-A-661	R. H. Return.	Clear Y.P.	7.30
10-A-662	L. H. Return.	Clear Oak	9.40
10-A-663	R. H. Return.	Clear Oak	9.40

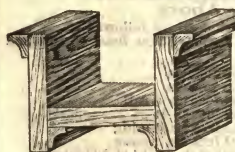


# BEAM CEILING AND WAINSCOTING



## Impressive Room Interior with Beam Ceiling and Wainscoting

### 7 Member Ceiling Beam



**10-A-544.** Width 6 inches and has a projection  $4\frac{1}{2}$  inches from ceiling.

Yellow Pine, per lineal foot.....**16c**

Red Oak, per lineal foot.....**34c**

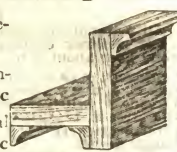
Beamed Ceilings are now considered an essential feature for the interior decoration of all high class residences, and by proper arrangement of beams, panels, mouldings, etc., beautiful and artistic effects may be gained which add greatly to beautify the home and make it more attractive.

### 5 Member Ceiling Beam

**10-A-545** Projection  $4\frac{1}{2}$  inches.

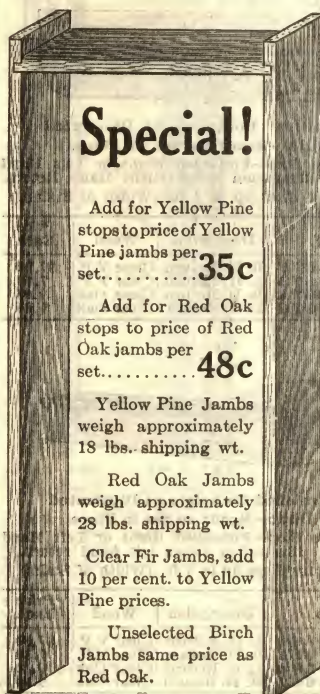
Yellow Pine, per lineal foot.....**10c**

Red Oak, per lineal foot.....**18c**



## Inside Door and Opening Jambs

Cut smooth and true, clear face stock. Side jambs dadoed for heads, heads cut square and straight. Prices do not include inside doorstops, which are extra. See price list below. About 20 lineal feet of stops required for each inside frame. See Moulding Page for Prices on Stops.



**Special!**

Add for Yellow Pine stops to price of Yellow Pine jambs per set.....**35c**

Add for Red Oak stops to price of Red Oak jambs per set.....**48c**

Yellow Pine Jambs weigh approximately 18 lbs. shipping wt.

Red Oak Jambs weigh approximately 28 lbs. shipping wt.

Clear Fir Jambs, add 10 per cent. to Yellow Pine prices.

Unselected Birch Jambs same price as Red Oak.

### Standard Door Jambs Without Stops

No. **10-A-101.** Inside door jambs for 2x4 studding, for doors 2 ft. 6 in. and under—Yellow Pine. **\$1.10**

2 ft. 8 in. by 6 ft. 8 in..... **1.18**

2 ft. 10 in. by 6 ft. 10 in..... **1.24**

3 ft. by 7 ft..... **1.28**

Intermediate sizes take next higher price.

No. **10-A-602.** Inside door jambs for 2x4 studding, for doors 2 ft. 6 in. by 6 ft. 6 in., or smaller sizes—Red Oak. Price, each..... **\$2.40**

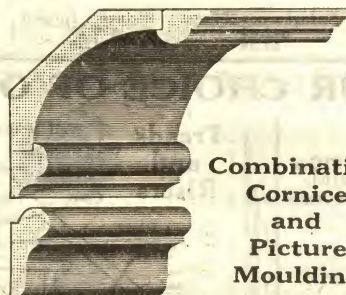
No. **10-A-603.** Same as above, except for sizes up to 2 ft. 8 in. by 6 ft. 8 in.—Red Oak. Price, each..... **\$2.50**

No. **10-A-604.** Same as above, except for sizes up to 3 ft. by 7 ft.—Red Oak. Each..... **\$2.60**

### Inside Cased Opening Jambs

Cased opening jambs are made the same as regular standard door jambs except for wider and higher openings. Price covers one complete frame made for 2x4 studding without stops.  $5\frac{1}{4}$  inch wide overall. For stops see moulding pages.

SIZE Feet	10-A-625 Yellow Pine	10-A-626 Plain Red Oak	Shipping Weight Pounds
5 x 7	\$1.45	\$2.30	30
8 x 8	1.65	3.10	40
9 x 9	1.85	3.25	45



### Combination Cornice and Picture Moulding

**10-A-639.** Consists of four members: Cove is 5 inches. Top and bottom mouldings on core,  $1\frac{3}{8} \times \frac{3}{4}$  inches. Picture moulding,  $\frac{3}{4} \times 1\frac{1}{4}$  inches. Gives a finished touch to any room. Price, lineal ft., Clear Yellow Pine..... **15c**  
Price, lineal ft., Clear Red Oak..... **30c**

## Wainscote Panels

**10-A-550.** The beautifully figured slash grain Pacific Coast Fir makes the finest panels imaginable. Can be stained and finished to imitate oak, mahogany and other expensive woods. Fir Panels are laminated, that is, built up 3-ply, with the center layer running crosswise to the face, making them strong and warp proof, like the panels in our high grade Fir doors. The following table lists the sizes we carry in stock. Prices are for panels with one side ready to finish:

**10-A-549.** Panel Strips, Yellow Pine, \$3.00 Per 100 Lin. Ft.

Size, Inches	Price	Size, Inches	Price
12x48	\$0.48	12x60	\$0.60
16x48	.65	16x60	.80
18x48	.72	18x60	.90
20x48	.93	20x60	1.05
24x48	1.04	24x60	1.25

For two sides ready to finish add 50 per cent. or half more. Our Panels are cut evenly and in correct sizes.

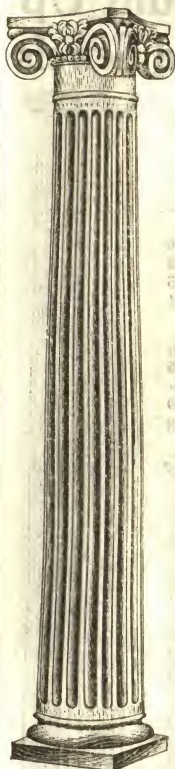
WRITE FOR FREE SAMPLE.



# HIGH GRADE COLONIAL COLUMNS

Scamozzi Cap

10-A-530



GIANT COLUMN

10-A-344

We are prepared to furnish giant columns in the above and numerous other popular designs. All sizes for quick shipment. Write for prices.



10-A-531  
Roman Ionic  
Cap



10-A-532  
Corinthian  
Cap



10-A-533  
Colonial  
Cap



10-A-110



10-A-210



10-A-109

## PRICES OF COLONIAL COLUMNS

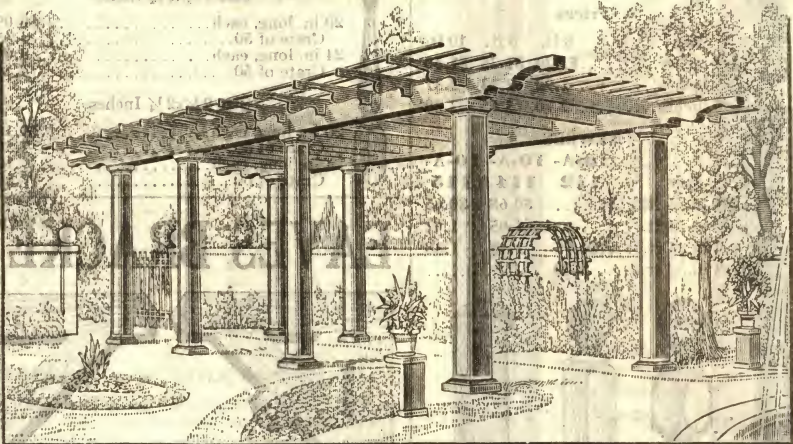
Diam. of Shaft, Inches	Length Feet	10-A-110 Plain Shaft as illustrated	10-A-210 Half Fltd. as illustrated	10-A-109 Full Fltd. as illustrated	Ship. Wt., Lbs.
6x6	6	\$2.56	\$3.75	\$3.95	30
6x6	8	2.74	4.00	4.20	35
6x6	9	2.94	4.30	4.50	38
8x8	6	2.97	4.40	4.60	40
8x8	8	3.45	4.78	5.10	48
8x8	9	3.90	5.25	5.50	50
8x8	10	4.35	5.65	5.95	55
10x10	6	4.03	5.35	5.60	55
10x10	8	4.65	5.80	6.10	62
10x10	9	5.35	6.40	6.70	68
10x10	10	5.94	7.15	7.50	72
12x12	6	5.35	6.90	7.35	64
12x12	8	6.75	7.95	8.40	68
12x12	9	7.65	8.95	9.45	72
12x12	10	8.25	9.50	9.95	75

## PERGOLAS FOR GARDENS AND LAWNS

**10-A-611.** A modern neatly designed well constructed pergola will add a touch of distinctive beauty and completeness to your grounds. Numerous elegant designs are available from our big complete stocks of pergola material. We are equipped to develop your own ideas and interpret them in such designs as you have in mind in terms of practical construction.

The pergola illustrated on this page is a popular design which can be delivered at surprisingly low cost. Made up complete of clear Fir comprising 8 square columns 8 feet high and 8 inches square at base tapering to top, scroll cut top beams and lattice covering. Distances between all pillars, 8 feet. Total length 28 feet overall. Weight, about 750 pounds.

Price of pergola as illustrated complete, in the white (natural wood). **\$47.60**  
If round columns are wanted they can be furnished at same price. Specify round columns if wanted.



Our round Colonial columns are built up from Clear Selected Fir, improved lock joint construction.

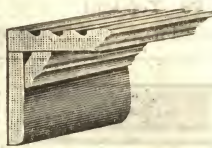
## COMPOSITION CAPS

All prices listed on this page are for Columns complete with Plain Colonial Cap 10-A-533, and base as shown. Add extra for Composition Cap as follows:

## COMPOSITION CAPS EXTRA

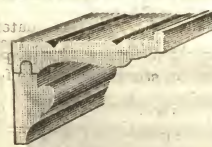
For Size of Column any length	Scamozzi Cap 10-A-530	Roman Ionic Cap 10-A-531	Roman Corinthian Cap 10-A-532
6 inch column	\$1.50	\$2.25	\$3.75
8 inch column	1.60	2.40	5.40
10 inch column	1.90	2.85	6.20
12 inch column	2.75	4.10	7.80

## INTERIOR TRIMMINGS



### Plate Rail

**10-A-340.** Furnished in clear Selected Yellow Pine or Oak. Three member. Projection from wall 4 1/2 inches. Height over all 4 1/2 inches. Yellow Pine, per lineal ft. 13c  
Oak, per lineal ft. 26c



### Combination Plate Rail and Picture Mold

**10-A-343.** Two members, fitted and glued together. Projection from wall 3 inches. Height over all 2 inches. Yellow Pine, per lineal ft. 9c  
Oak, per lineal ft. 13 1/2c



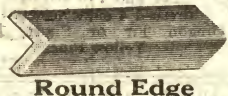
### Hardwood Thresholds

**10-A-151.** 3/4x3 1/4 inches. Clear Birch, length 3 feet. Price, each. 18c  
Clear Oak, length 3 feet. Price, each. 16c



### Sliding Door Astragal

**10-A-8446.** 8 ft. long. Sliding Door Astragal, rabbetted, 1 1/2 inches. Yellow Pine, per pair. \$0.90  
Oak, per pair. 1.65  
**10-A-8446.** 8 feet long. Sliding Door Astragal, rabbetted, 1 1/2 inches. Yellow Pine, per pair. \$0.90  
Oak, per pair. 1.65



### Round Edge Corner Bead

**10-A-541.** 1 1/4x1 1/4 inches. Yellow Pine. Price, per 100 lineal feet. \$4.95  
**10-A-542.** 1 1/4x1 1/4 inches. Red Oak. Price, per 100 lineal feet. \$7.95

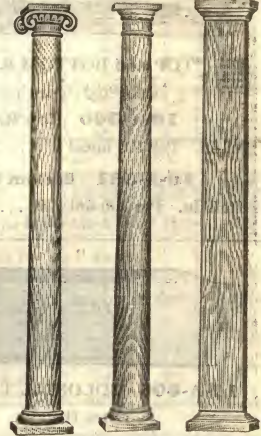


### Folding Door Astragal

**10-A-8449.** 8 feet long. Folding Door Astragal, rabbetted, 1 1/2 inches. Yellow Pine, each. \$0.75  
Oak, each. 1.25  
**10-A-8449.** 8 feet long. Folding Door Astragal, rabbetted, 1 1/2 inches. Yellow Pine, per pair. \$0.75  
Oak, per pair. 1.25

### Interior Columns

Most popular designs used for interiors of all rooms, to break large openings. Choice of Clear Yellow Pine and Red Oak. Furnished in 2 sizes up to 9 feet high.



10-A-1036 10-A-1037 10-A-1038

Size	10-A-1036		10-A-1037		10-A-1038	
	Yellow Pine	Red Oak	Yellow Pine	Red Oak	Yellow Pine	Red Oak
6"x6"-8' hi.	\$7.50	\$9.50	\$6.50	\$8.50	\$6.50	\$8.50
6"x6"-9' "	10.50	12.50	9.50	11.50	9.50	11.50
7 1/2"x7 1/2"-8' "	8.25	10.25	7.25	9.25	7.25	9.25
7 1/2"x7 1/2"-9' "	11.25	13.25	10.25	12.25	10.25	12.25

Weights, from 50 to 75 pounds.



# Clear Fir Porch and Outside Trim

## Wood Porch Post and Newels

Made of  
**CLEAR SOFT OREGON FIR**  
SIZE AND PRICE No. 10-A-113

Size	Prices		
	8 ft.	9 ft.	10 ft.
4x4 inches.....	\$1.20	\$1.35	\$1.50
5x5 inches.....	1.92	2.13	2.37
6x6 inches.....	2.70	3.05	3.38

### NEWELS

Size	10-A-112 10-A-114 10-A-115		
	112	114	115
4x4 in., 4 ft.....		\$0.68	\$0.65
5x5 in., 4 ft.....		1.05	1.02
6x6 in., 4 ft.....	\$1.95	1.40	1.38
8x8 in., 4 ft.....	2.20		



10-A-113 10-A-114 10-A-115 10-A-112



**\*TOP and BOTTOM RAIL**  
Rabbeted  $\frac{1}{8}$ -Inches

**10-A-560 Top Rail**  
1 $\frac{1}{4}$ x3 In. Per 100 lineal ft.....\$5.70

**10-A-561 Bottom Rail**  
13-16x3 In. Per 100 lineal ft..... 3.60



**10-A-606 COLONIAL TOP RAIL**  
Extra Heavy

2 $\frac{1}{4}$ x3 $\frac{1}{4}$  In. Per 100 lineal ft.....\$10.65



**10-A-607 Bottom Rail**

1 $\frac{1}{4}$ x3 In. Per 100 lineal ft.....\$5.50

## Fancy Baluster

For exterior use. Made of clear soft Oregon fir, turned in first class workmanlike manner. Turned parts sanded.

### PRICES

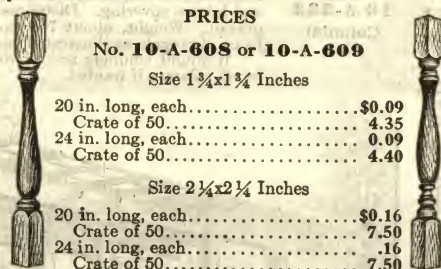
No. 10-A-608 or 10-A-609

Size 1 $\frac{1}{2}$ x1 $\frac{1}{4}$  Inches

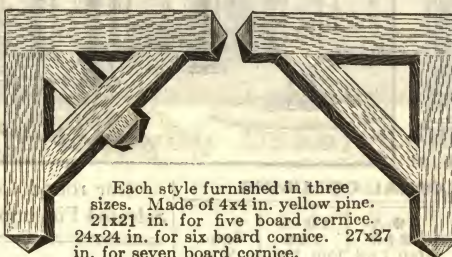
20 in. long, each.....	\$0.09
Crate of 50.....	4.35
24 in. long, each.....	0.09
Crate of 50.....	4.40

Size 2 $\frac{1}{2}$ x2 $\frac{1}{4}$  Inches

20 in. long, each.....	\$0.16
Crate of 50.....	7.50
24 in. long, each.....	.16
Crate of 50.....	7.50



## EAVES BRACKETS



Each style furnished in three sizes. Made of 4x4 in. yellow pine.  
21x21 in. for five board cornice.  
24x24 in. for six board cornice. 27x27 in. for seven board cornice.

**10-A-620**

Size	Each
21 inches.....	\$2.43
24 inches.....	2.57
27 inches.....	2.91

**10-A-621**

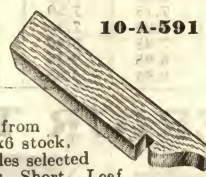
Size	Each
21 inches.....	\$2.12
24 inches.....	2.26
27 inches.....	2.60

## RAFTER ENDS

**10-A-594**



**10-A-591**



Made from 2x4 and 2x6 stock, dressed 4 sides selected Oregon Fir or Short Leaf Yellow Pine.

Length	2 ft.		4 ft.		5 ft.		6 ft.	
	2x4 in	2x4 in	2x6 in	2x6 in	2x4 in	2x6 in	2x4 in	2x6 in
<b>10-A-594</b>	45c	62c	77c	73c	87c	77c	99c	
<b>10-A-594</b>	43c	60c	75c	71c	85c	75c	97c	

## Porch Baluster Stock



**10-A-556**

Square Baluster Stock Surfaced All Sides

1 $\frac{1}{2}$ x1 $\frac{1}{2}$ in., per 100 lineal feet.....	\$1.65
1 $\frac{1}{2}$ x1 $\frac{1}{2}$ in., per 100 lineal feet.....	1.90
1 $\frac{1}{2}$ x1 $\frac{1}{2}$ in., per 100 lineal feet.....	3.75

Cut to lengths at 50c per 100 ft. extra

## Square Built Up Columns and Newels

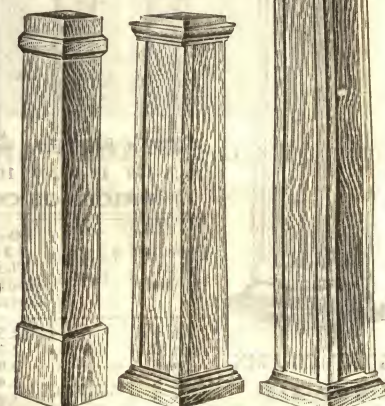
Made of  
**CLEAR SOFT OREGON FIR**

Sizes and Prices of No. 10-A-520

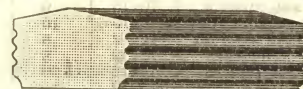
Length	8x8 10x10 12x12		
	in.	in.	in.
6 ft.,	\$3.15	\$3.78	\$4.56
8 ft.,	3.77	4.55	5.58
9 ft.,	4.25	5.01	6.35
10 ft.,	4.58	6.07	7.11

### BUILT-UP NEWELS

10-A-522	Price, each
6x6 in., 4 ft. long.....	\$2.88
10-A-521	Price, each
8x8 in., 4 ft. long.....	\$2.40
10x10 in., 4 ft. long.....	2.88



10-A-522 10-A-521 10-A-520



**10-A-146 Top Rail**

1 $\frac{1}{4}$ x3 In. Per 100 lineal ft.....\$5.50

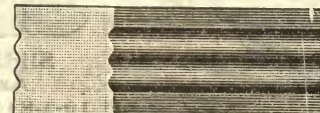


**10-A-147 COLONIAL BOTTOM RAIL**

Extra Heavy

1 $\frac{1}{4}$ x3 $\frac{1}{4}$  In. Per 100 lineal ft.....\$6.60

Our porch baluster stock furnished in lineal feet, is all clear, soft Oregon fir correctly sized and well machined.



Clear Soft Wood

**10-A-152**

Baluster Stock, 1 $\frac{1}{2}$ x1 $\frac{1}{2}$  inches. Per 100 lineal feet.....\$2.25

**10-A-151**

Baluster Stock, 1 $\frac{1}{2}$ x1 $\frac{1}{2}$  inches. Per 100 lineal feet.....\$3.60



# Window Frames for Wood Frame Buildings

## Clear Kiln Dried Fir

### Ball Bearing Pulleys

Our Window Frames are of the highest grade that is manufactured. These frames are for frame buildings, having standard 2x4 studding, siding, sheathing and plaster. All frames are carried in stock in the sizes listed below, all machined, ready to put together, no further cutting or fitting is necessary. All that is necessary after receiving our frames is to nail them together and any carpenter can put any of our frames together in ten or fifteen minutes. Frames are shipped knocked down, securely bundled to avoid damage in transit. We carry a complete stock in all sizes for immediate shipment.

#### PLAIN DRIP CAP Window Frames

Illustration at the left shows our Plain Drip Cap Window Frames, which are furnished complete as shown, either with or without pulleys. Specifications: Outside casing 1 1/2 x 4 1/2 inches, pulley stiles and head jambs 1 3/8 x 5 1/2 inches over all, including blind stop; plowed for parting stop. Two member sill, main section 1 1/2 x 3 1/2 inches, sub-section 3/4 x 1 1/2 inches, drip cap 1 1/2 x 1 1/2 inches. See insert section for construction of frames.

#### CROWN MOULD CAP Window Frames

Illustration to the right shows our Crown Mould Cap Window Frames, which are furnished complete as shown, either with or without pulleys. Specifications are the same as our Drip Cap Window Frame to the left, with exception that Head Casing is 5 1/2 inches wide to allow for crown mould cap. Size of crown moulding is 1 1/2 x 2 1/2 inches, size of drip cap 1 1/2 x 3 inches. See insert section for construction of frames.

Section of Drip Cap Window Frame

Section of Crown Mould Cap Window Frame

#### MULLION AND TRIPLE FRAMES

Mullion or Double Frames are double the price of regular single frames of the same window opening size plus 50c.

Triple Frames are three times the price of regular single frames of the same window opening size plus \$1.00.

A window frame 28x28 2 lights is considered an average size and weighs approximately 40 pounds. Other frames will weigh more or less in proportion, according to sizes.

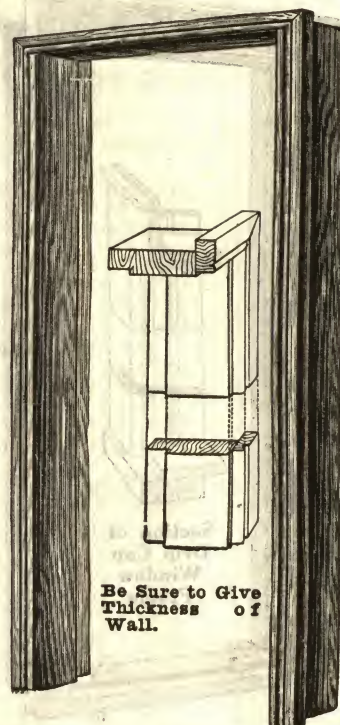
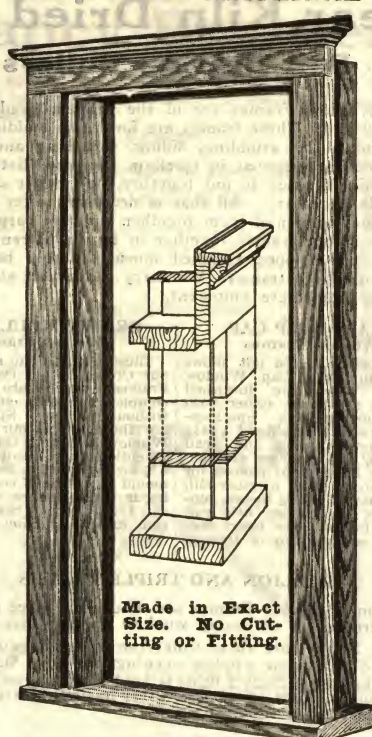
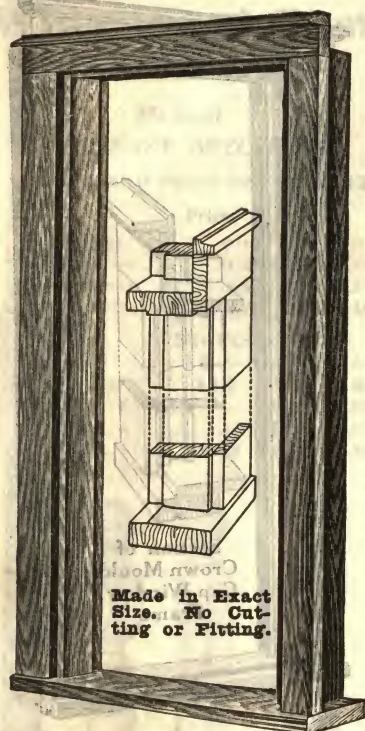
### PRICES OF FRAMES FOR CHECK RAIL WINDOWS FOR WOOD FRAME BUILDINGS

Frame for Windows Containing TWO LIGHTS of Glass				DRIP CAP				CROWN MOULD CAP				Frame for Windows Containing FOUR LIGHTS of Glass				DRIP CAP				CROWN MOULD CAP			
Glass Sizes Prices cover frame only	Outside Window measurement, Inside opening of frame,		1½ inch Casing without pulleys 10-A-456	1½ inch Casing including pulleys 10-A-458	1½ inch Casing without pulleys 10-A-457	1½ inch Casing including pulleys 10-A-459	Glass Sizes Prices cover frame only	Outside Window measurement, Inside opening of frame,		1½ inch Casing without pulleys 10-A-456	1½ inch Casing including pulleys 10-A-458	1½ inch Casing without pulleys 10-A-457	1½ inch Casing including pulleys 10-A-459	Glass Sizes Prices cover frame only	Outside Window measurement, Inside opening of frame,		1½ inch Casing without pulleys 10-A-456	1½ inch Casing including pulleys 10-A-458	1½ inch Casing without pulleys 10-A-457	1½ inch Casing including pulleys 10-A-459			
	Ft. In.	Ft. In.						Ft. In.	Ft. In.						Ft. In.	Ft. In.							
12 x 20	1-4½	x 3-10	\$2.16	\$2.36	\$2.38	\$2.62	10 x 20	2-1½	x 3-10	\$2.62	\$2.82	\$2.86	\$3.10	10 x 20	2-1½	x 3-10	\$2.62	\$2.82	\$2.86	\$3.10			
12 x 24	1-4½	x 4-6	2.44	2.64	2.66	2.90	10 x 24	2-1½	x 4-6	2.92	3.12	3.15	3.39	10 x 24	2-1½	x 4-6	2.92	3.12	3.15	3.39			
12 x 28	1-4½	x 5-2	2.62	2.82	2.84	3.08	12 x 20	2-5½	x 3-10	2.75	2.95	3.00	3.25	12 x 20	2-5½	x 3-10	2.92	3.12	3.17	3.41			
14 x 20	1-6½	x 3-10	2.32	2.52	2.54	2.78	12 x 24	2-5½	x 4-6	2.92	3.12	3.17	3.41	12 x 24	2-5½	x 4-6	2.95	3.15	3.20	3.45			
14 x 24	1-6½	x 4-6	2.62	2.82	2.84	3.08	12 x 26	2-5½	x 4-10	3.14	3.34	3.40	3.64	12 x 26	2-5½	x 4-10	3.14	3.34	3.40	3.64			
14 x 32	1-6½	x 5-10	2.76	2.96	2.98	3.22	12 x 28	2-5½	x 5-2	3.38	3.58	3.62	3.86	12 x 28	2-5½	x 5-2	3.38	3.58	3.62	3.86			
16 x 24	1-8½	x 4-6	2.68	2.88	2.90	3.14	12 x 30	2-5½	x 5-6	3.42	3.62	3.67	3.91	12 x 30	2-5½	x 5-6	3.42	3.62	3.67	3.91			
16 x 28	1-8½	x 5-2	2.92	3.12	3.15	3.39	14 x 24	2-9	x 4-6	3.14	3.34	3.40	3.64	14 x 24	2-9	x 4-6	3.14	3.34	3.40	3.64			
18 x 20	1-10½	x 3-10	2.44	2.64	2.70	2.94	14 x 26	2-9	x 4-10	3.38	3.58	3.62	3.86	14 x 26	2-9	x 4-10	3.38	3.58	3.62	3.86			
18 x 26	1-10½	x 4-10	2.92	3.12	3.17	3.41	14 x 28	2-9	x 5-2	3.52	3.72	3.80	4.04	14 x 28	2-9	x 5-2	3.52	3.72	3.80	4.04			
18 x 30	1-10½	x 5-6	3.06	3.26	3.30	3.54	14 x 32	2-9	x 5-10	3.66	3.86	3.92	4.16	14 x 32	2-9	x 5-10	3.66	3.86	3.92	4.16			
20 x 20	2-0½	x 3-10	2.62	2.82	2.86	3.10	14 x 40	2-9	x 7-2	3.98	4.18	4.26	4.50	15 x 20	2-11	x 3-10	3.56	3.76	3.82	4.06			
20 x 22	2-0½	x 4-2	2.68	2.88	2.90	3.14	15 x 24	2-11	x 4-6	3.66	3.86	3.94	4.18	15 x 24	2-11	x 4-6	3.66	3.86	3.94	4.18			
20 x 30	2-0½	x 5-6	3.14	3.34	3.40	3.64	15 x 26	2-11	x 4-10	3.80	4.00	4.06	4.30	15 x 26	2-11	x 4-10	3.80	4.00	4.06	4.30			
22 x 24	2-2½	x 4-6	2.92	3.12	3.15	3.39	15 x 30	2-11	x 5-6	3.98	4.18	4.26	4.50	15 x 30	2-11	x 5-6	3.98	4.18	4.26	4.50			
22 x 28	2-2½	x 5-2	3.14	3.34	3.40	3.64	18 x 10	1-9½	x 3-10	\$2.49	\$2.70	\$2.73	\$2.99	18 x 10	1-9½	x 3-10	\$2.49	\$2.70	\$2.73	\$2.99			
22 x 32	2-2½	x 5-10	3.38	3.58	3.62	3.86	9 x 12	1-11	x 4-6	3.06	3.28	3.30	3.56	9 x 12	1-11	x 4-6	3.06	3.28	3.30	3.56			
24 x 20	2-4½	x 3-10	2.76	2.96	3.02	3.26	10 x 12	2-1	x 4-6	3.21	3.43	3.47	3.73	10 x 12	2-1	x 4-6	3.21	3.43	3.47	3.73			
24 x 24	2-4½	x 4-6	2.92	3.12	3.16	3.40	10 x 16	2-1	x 5-10	3.71	3.93	3.98	4.26	10 x 16	2-1	x 5-10	3.71	3.93	3.98	4.26			
24 x 26	2-4½	x 4-10	3.14	3.34	3.40	3.64	12 x 14	2-5	x 5-2	3.74	3.96	4.05	4.31	12 x 14	2-5	x 5-2	3.74	3.96	4.05	4.31			
24 x 28	2-4½	x 5-2	3.38	3.58	3.62	3.86	14 x 16	2-9	x 5-10	3.84	4.09	4.18	4.44	14 x 16	2-9	x 5-10	3.84	4.09	4.18	4.44			
24 x 30	2-4½	x 5-6	3.42	3.62	3.67	3.91	14 x 20	2-9	x 7-2	4.18	4.60	4.69	4.95	14 x 20	2-9	x 7-2	4.18	4.60	4.69	4.95			
24 x 36	2-4½	x 6-6	3.66	3.86	3.90	4.14	18 x 12	1-9½	x 4-6	\$3.16	\$3.38	\$3.43	\$3.60	18 x 12	1-9½	x 4-6	\$3.16	\$3.38	\$3.43	\$3.60			
26 x 26	2-6½	x 4-10	3.14	3.34	3.40	3.64	9 x 12	2-7½	x 4-6	3.28	3.50	3.56	3.85	9 x 12	2-7½	x 4-6	3.28	3.50	3.56	3.85			
26 x 28	2-6½	x 5-2	3.38	3.58	2.63	3.86	10 x 12	2-10½	x 4-6	3.72	3.94	4.10	4.26	10 x 12	2-10½	x 4-6	3.72	3.94	4.10	4.26			
26 x 30	2-6½	x 5-6	3.40	3.60	3.65	3.89	10 x 14	2-10½	x 5-2	3.87	4.09	4.18	4.44	10 x 14	2-10½	x 5-2	3.87	4.09	4.18	4.44			
26 x 40	2-6½	x 7-2	3.82	4.02	4.08	4.32	10 x 16	2-10½	x 5-10	4.03	4.24	4.33	4.60	10 x 16	2-10½	x 5-10	4.03	4.24	4.33	4.60			
28 x 28	2-8½	x 5-2	3.38	3.58	3.64	3.88	12 x 14	2-11	x 5-2	4.07	4.29	4.40	4.62	12 x 14	2-11	x 5-2	4.07	4.29	4.40	4.62			
28 x 30	2-8½	x 5-6	3.52	3.72	3.80	4.04	12 x 16	2-11	x 5-6	4.42	5.08	5.14	5.36	12 x 16	2-11	x 5-6	4.42	5.08	5.14	5.36			
28 x 32	2-8½	x 5-10	3.66	3.86	3.92	4.16	14 x 16	2-9	x 5-10	4.07	4.29	4.40	4.62	14 x 16	2-9	x 5-10	4.07	4.29	4.40	4.62			
30 x 24	2-10½	x 4-6	3.38	3.58	3.65	3.89	14 x 20	2-9	x 7-2	4.42	5.08	5.14	5.36	14 x 20	2-9	x 7-2	4.42	5.08	5.14	5.36			
30 x 28	2-10½	x 5-2	3.52	3.72	3.80	4.04	18 x 12	1-9½	x 4-6	\$3.16	\$3.38	\$3.43	\$3.60	18 x 12	1-9½	x 4-6	\$3.16	\$3.38	\$3.43	\$3.60			
30 x 30	2-10½	x 5-6	3.56	3.76	3.82	4.06	9 x 12	2-7½	x 4-6	3.28	3.50	3.56	3.85	9 x 12	2-7½	x 4-6	3.28	3.50	3.56	3.85			
30 x 32	2-10½	x 5-10	3.66	3.86	3.94	4.18	10 x 12	2-10½	x 4-6	3.72	3.94	4.10	4.26	10 x 12	2-10½	x 4-6	3.72	3.94	4.10	4.26			
30 x 40	2-10½	x 7-2	3.98	4.18	4.25	4.49	10 x 14	2-10½	x 5-2	3.87	4.09	4.18	4.44	10 x 14	2-10½	x 5-2	3.87	4.09	4.18	4.44			
32 x 24	3-0½	x 4-6	3.38	3.58	3.65	3.89	10 x 16	2-10½	x 5-10	4.03	4.24	4.33	4.60	10 x 16	2-10½	x 5-10	4.03	4.24	4.33	4.60			
32 x 30	3-0½	x 5-6	3.66	3.86	3.92	4.16	12 x 14	2-11	x 5-2	4.07	4.29	4.40	4.62	12 x 14	2-11	x 5-2	4.07	4.29	4.40	4.62			
32 x 36	3-0½	x 6-6	3.98	4.18	4.26	4.50	12 x 16	2-11	x 5-6	4.42	5.08	5.14	5.36	12 x 16	2-11	x 5-6	4.42	5.08	5.14	5.36			
34 x 30	3-2½	x 5-6	3.66	3.86	3.98	4.22	14 x 16	2-9	x 5-10	4.07	4.29	4.40	4.62	14 x 16	2-9	x 5-10	4.07	4.29	4.40	4.62			
36 x 24	3-4½	x 4-6	3.52	3.72	3.82	4.06	14 x 20	2-9	x 7-2	4.42	5.08	5.14	5.36	14 x 20	2-9	x 7-2	4.42	5.08	5.14	5.36			
36 x 28	3-4½	x 5-2	3.66	3.86	3.96	4.20	18 x 12	1-9½	x 4-6	\$3.16	\$3.38	\$3.43	\$3.60	18 x 12	1-9½	x 4-6	\$3.16	\$3.38	\$3.43	\$3.60			
36 x 32	3-4½	x 5-10	3.82	4.02	4.16	4.40	9 x 12	2-7½	x 4-6	3.28	3.50	3.56	3.85	9 x 12	2-7½	x 4-6	3.28	3.50	3.56	3.85			
40 x 28	3-8½	x 5-2	3.86	4.06	4.18	4.42	10 x 12	2-10½	x 4-6	3.72	3.94	4.10	4.26	10 x 12	2-10½	x 4-6	3.72	3.94	4.10	4.26			
40 x 30	3-8½	x 5-6	3.98	4.18	4.30	4.54	10 x 14	2-10½	x 5-2	3.87	4.09	4.18	4.44	10 x 14	2-10½	x 5-2	3.87	4.09	4.18	4.44			
40 x 36	3-8½	x 6-6	4.10	4.30	4.45	4.69	10 x 16	2-10½	x 5-10	4.03	4.24	4.33	4.60	10 x 16	2-10½	x 5-10	4.03	4.24	4.33	4.60			



# CLEAR FIR OUTSIDE DOOR FRAMES

## AND FRAME MATERIAL



Door frames in stock for immediate delivery made of selected clear kiln dried fir. Shipped taken apart and carefully bundled to take lowest freight rate and perfect delivery. Rab-  
beted for  $\frac{1}{8}$ " thickness door unless otherwise specified. Weight each frame, about 65 lbs.

### Drip Cap Door Frames

1 1-8 Inch Outside Casing

Includes everything complete as shown; out-  
side casing,  $1\frac{1}{2} \times 4\frac{1}{4}$ ; solid sill,  $1\frac{1}{2} \times 7\frac{1}{2}$ ; rabbeted  
jamb,  $1\frac{1}{2} \times 5\frac{1}{4}$ .

No. 10-A-99. Outside door frames for 2x4  
studding, with solid clear Fir sills, any size up to  
and including 3 ft. by 7 ft. rabbeted for doors  
 $1\frac{1}{2}$  inches in thickness or  $1\frac{1}{4}$  inches in  
thickness. Price..... **\$4.10**

No. 10-A-113. Plain drip cap door frame with  
transom head, not exceeding 2 feet in  
height. Price..... **\$4.95**

Oak sills for any of above frames, \$1.00 per  
frame extra.

### Crown Mould Cap Door Frames

1 1-8 Inch Outside Casing

This frame has  $1\frac{1}{2} \times 3$  inch Drip Cap,  $1\frac{1}{2} \times 7$   
inch head casing,  $1\frac{1}{2} \times 4\frac{1}{4}$  inch outside casing,  $2\frac{1}{4}$   
inch crown moulding,  $1\frac{1}{2} \times 5\frac{1}{4}$  inch jamb, rabbeted  
to suit thickness of door, solid sill  $1\frac{1}{2} \times 7\frac{1}{2}$ .

No. 10-A-103. Crown mold cap outside door  
frame for frame buildings with 2x4 studding.  
For door 3 ft. x 7 ft. or smaller opening. Price..... **\$4.50**

No. 10-A-114. Crown mold cap door frame  
with transom head, not exceeding 2 ft.  
in height. Price..... **\$5.30**

Oak sills for any of above frames, \$1.00 per  
frame extra.

### Cement Block, Stone or Brick Wall Door Frames

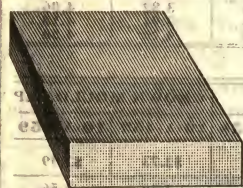
This frame has a  $1\frac{1}{2} \times 1\frac{1}{4}$  inch clear brick moulding.  
The jamb is good, sound and practically clear. No sill  
furnished with this frame.

No. 10-A-106-A. For 2x6 Jamb.  
2 ft. 6 in. x 6 ft. 6 in..... **\$3.25**  
2 ft. 8 in. x 6 ft. 8 in..... **3.35**  
3 ft. x 7 ft..... **3.55**

No. 10-A-106. For 2x8 Jamb.  
2 ft. 6 in. x 6 ft. 6 in..... **\$4.15**  
2 ft. 8 in. x 6 ft. 8 in..... **4.25**  
3 ft. x 7 ft..... **4.40**

No. 10-A-106½. For 2x10 Jamb.  
2 ft. 6 in. x 6 ft. 6 in..... **\$5.10**  
2 ft. 8 in. x 6 ft. 8 in..... **5.30**  
3 ft. x 7 ft..... **5.60**

No. 10-A-115. Plank door frame with transom  
head, not exceeding 2 feet in height.  
Add to price above..... **80c**



### Outside Casing

10-A-8429½.

Price per 100 lineal  
feet. Size  $1\frac{1}{2} \times 4\frac{1}{4}$ .  
Clear  
Fir..... **\$6.75**

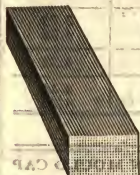
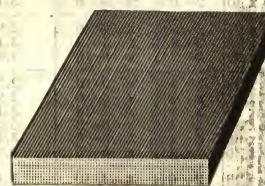
### WINDOW FRAME STOCK Clear Kiln Dried Fir

Many carpenters and home builders  
sometimes prefer to make their own  
special frames. To meet this demand,  
we present a complete line of window  
frame stock which will enable you to  
make your own frames at lowest pos-  
sible cost.

### Subsill

10-A-8440½  
Edges beveled.  
Size  $\frac{3}{4} \times 5\frac{1}{4}$ . Per  
100 lineal feet.  
Clear Fir.

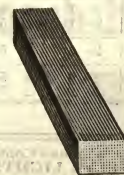
**\$6.00**



### Blindstop

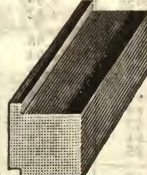
10-A-8430. Per 100 lineal  
feet. Clear Fir.

Size  $\frac{3}{4} \times 1\frac{1}{2}$   
Price..... **\$1.95**



### Parting Stop

10-A-8432. Per  
100 lineal feet. Clear  
Fir.  $\frac{1}{2} \times \frac{3}{4}$ .  
Price..... **\$0.98**

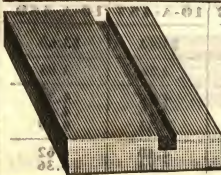
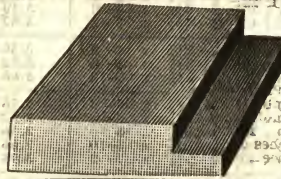


### Sill Course

10-A-1672. Size  
 $1\frac{1}{2} \times 1\frac{1}{2}$  inches. Price per  
100 lineal feet.  
Clear Fir.... **\$4.20**

### Jamb Stock

No. 10-A-  
8442. Size  
 $1\frac{1}{2}$  in. x  $5\frac{1}{4}$   
in. rabbeted,  
for  $1\frac{1}{2}$  in. or  
 $1\frac{1}{4}$  in. doors,  
clear fir. Per  
100 lineal feet  
..... **\$10.15**



### Pulley Stile

10-A-8431½.

Plowed partingstop.  
Size  $\frac{3}{4} \times 1\frac{1}{2}$ . Price  
per 100 lineal feet.  
Yel. Pine **\$4.50**.  
Clear Fir **5.40**.

### Mainsill

10-A-8439½. Be-  
veled edges and rabbeted  
for siding. Size  $1\frac{1}{2} \times 3\frac{1}{2}$ .  
Sound solid Clear Fir  
stock. Price per 100  
lineal  
feet..... **\$9.00**





# CLEAR FIR WINDOW FRAMES

## BALL BEARING PULLEYS

### Window Frames for Solid Brick, Stone or Cement Block Buildings

are illustrated at the left. These frames are known as Box Window Frames, made for a regular 9 inch wall, but can be used for 13 inch wall by using an extension jamb. Specifications: This frame has 1½x1½ inch brick mould, ¾x5 inch blind stop, ¾x4½ inch pulley stile, ½x1½ inch parting stop, ¾x4¼ inch rabbeted box lining and ¾x4½ inch back box lining. All exposed lumber will be clear face stock, carefully selected and thoroughly seasoned. The box linings are made from good, sound, second quality lumber.

### Window Frames for Brick Veneer Buildings

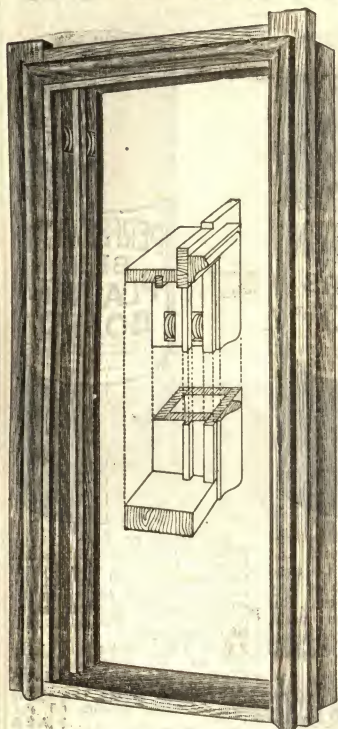
are illustrated at right. This frame is used for walls of 2x4 studding, veneered with a layer of brick, and they are made in the same manner as the frame for a brick or stone wall, with the exception that the box lining is omitted, not being required. All exposed lumber is clear face stock.

Specifications: Blind stop, ¾x3¾ inches; pulley stile, ¾x4½ inches, making width of jamb 5½ inches, including blind stop. Brick mould, 1½x1½ inches, parting stop ½x1½ inch. Sills made from 2x8 stock.

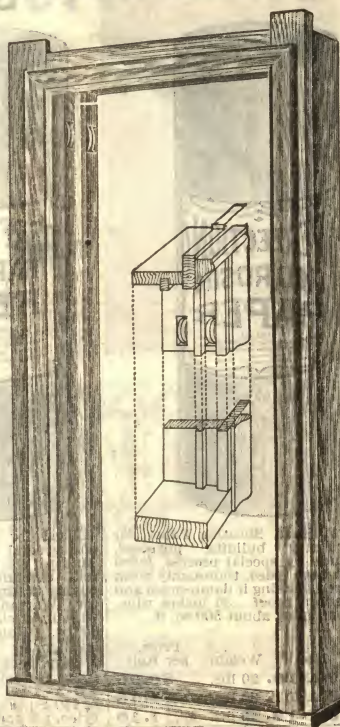
All our frames are made in exact sizes. Every piece is cut to fit, ready to put together, easily assembled. We ship them knocked down to avoid damage in transit and extra freight. Remember when consulting the table below that intermediate sizes are furnished at the price of the next larger size. When ordering, give size of window and frame will be made to fit.

Note: If Box Frames are wanted for brick arch, be sure to specify and allow 15c net extra for each frame.

A box window frame 28x28, 2 lights, is considered an average size and weighs approximately 48 pounds. Other frames will weigh more or less in proportion, according to sizes.



Box Window Frame No. 10-A-108



Brick Veneer Frame No. 10-A-467

Prices of Box Window Frames  
Order by Size and Number—Prices Include Pulleys

Width	Height	Price Each Frame No. 10-A-108
2 feet 2 inch.....	4 feet 6 inch or smaller	\$5.40
2 feet 6 inch.....	5 feet 2 inch or smaller	5.50
2 feet 8 inch.....	5 feet 10 inch or smaller	5.75
3 feet 4 inch.....	5 feet 2 inch or smaller	6.05
4 feet.....	5 feet 10 inch or smaller	6.20
4 feet 4 inch.....	6 feet 6 inch or smaller	6.35

Prices of Brick Veneer Frames  
Always Give Width First—Prices Include Pulleys

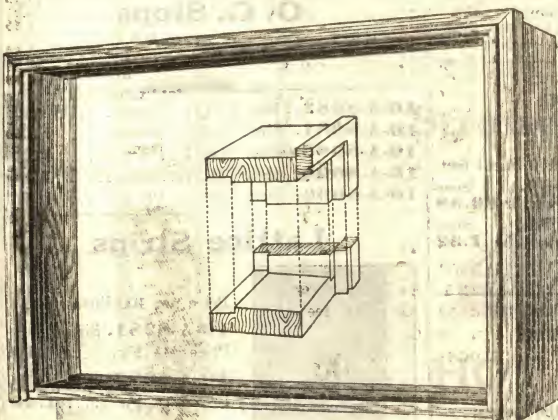
Width	Height	Price Each Frame No. 10-A-467
2 feet 2 inch.....	4 feet 6 inch or smaller	\$4.40
2 feet 6 inch.....	5 feet 2 inch or smaller	4.60
2 feet 8 inch.....	5 feet 10 inch or smaller	4.83
3 feet 4 inch.....	5 feet 2 inch or smaller	5.10
4 feet.....	5 feet 10 inch or smaller	5.25
4 feet 4 inch.....	6 feet 6 inch or smaller	5.40

## Sash Frames

### For Single Stationary Sash

These frames are used in gables, dormers, stair landings and vestibules.

Sash frame per illustration to right is made of the same high grade material as all the other window and door frames, suitable for frame buildings where 2x4 studding is used with lath and plaster on inside and sheathing on the outside, making jamb 5¼ inches over all. Furnished drip cap or crown mould cap, just as ordered. Also made from 2x6 or 2x8 plank for brick or stone building. Be careful to order correct style, stating in your order for what kind of a building same will be used and mention catalog number.



Cellar Sash Frame. No. 10-A-107

Plank cellar sash frames are made with a 1½x5½ inch jamb, 1½x1½ inch clear brick moulding. Knocked down, bundled for shipment. Made of clear Western Fir.

No. 10-A-107. Plank cellar sash frame, size 3 feet 4 inches by 2 feet or smaller openings. Price.....

\$1.98

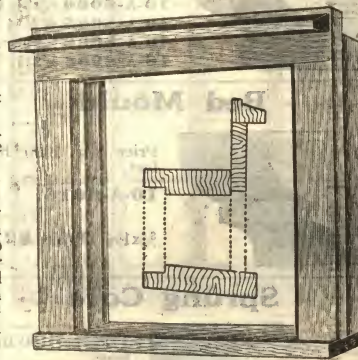
Shipping Weight approximately 30 pounds

### Mullion Frames

Mullion or Twin or Double Window Frames, just double price of regular frames of the corresponding size.

Triple Window Frames where three windows are used side by side, price will be just three times the cost of regular window frame as listed on this page for corresponding sizes.

MULLION or TWIN or DOUBLE SASH FRAMES or CASEMENT SASH FRAMES, just double prices as listed.



No.	Description	Price for Sash Opening 2-10x 2-11 or Smaller	Price for Sash Opening 3-4x 3-9 or Smaller	Price for Sash Opening 4-4x 5-10 or Smaller
10-A-476.	Drip Cap for 2x4 Studding.....	\$2.25	\$2.70	\$3.65
10-A-477.	Crown Cap for 2x4 Studding.....	2.60	3.10	4.10
10-A-478.	2x6 Jamb for brick or stone wall.....	2.70	3.05	4.00
10-A-479.	2x8 Jamb for brick or stone wall.....	3.10	3.40	4.05

Shipping Weight approximately 30 pounds

### Casement Sash Frames With Special Water-Tight Sill

These frames are made specially for casement sash, and the water-tight sill is so constructed that the sash can swing either in or out. When ordering you must specify which way you want your sash to swing. Be careful to order correctly, stating whether for frame or for brick building.

No. 10-A-488. Casement Sash Frame for frame building, jamb not over 5½ inches, special sill construction, for glass sizes up to 44x44, plain drip cap. Price, each..... \$4.20

No. 10-A-489. Casement Sash Frame, same as above except Crown Mould Cap. Price, each..... 4.50

No. 10-A-490. Casement Sash Frame, same as above except made from 2x8 plank jamb or narrower jambs for brick or cement buildings, for sizes up to 44x44. Price, each..... 4.40

Also made for French Windows and Sash. Write for Prices.



# Sheathing Paper and Tarred Felt



A Sized Sheathing Paper, for ordinary building purposes, made by special process, faced on both sides, thoroughly rosin sized, making it damp-proof and vermin proof. 36 inches wide, containing about 500 sq. ft.

No.	Weight	Price, per Roll
10-A-10.	20 lbs.	\$0.90
10-A-11.	30 lbs.	1.35
10-A-12.	40 lbs.	1.40



Used for roofing, sheathing and general building purposes. Made of the best grade of wool felt, carefully selected, thoroughly saturated with distilled tar. Warranted to unroll freely without sticking. Approx. wt. 60 lbs. Rolls 32 inches wide.

10-A-13.	Heavy grade No. 1, 225 Sq. Ft. to roll.	\$2.25
10-A-14.	Medium grade No. 2, 450 Sq. Ft. to roll.	\$2.40



Made of the very finest selected grade of wool felt. It is used to deaden sound between floors and walls; used under floors as it adds to the warmth. Rolls 36 inches wide.

10-A-15.	Grade No. 1, 450 Sq. Ft. to roll.	\$4.16
10-A-16.	Grade No. 2, 450 Sq. Ft. to roll.	\$3.85



Ideal sheathing paper and also used under metal and slate roofs. It can be used in place of red rosin or any other sheathing paper. Put up in rolls 36 inches wide, each roll containing 500 sq. ft. Weight, per roll, approximately, 35 lbs.

10-A-18.	Price, per roll	\$1.38
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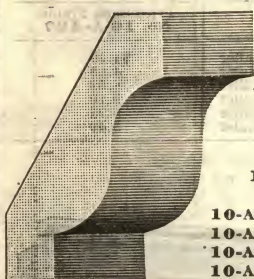


Best grade of Blue Plaster Board manufactured. Strong and tough. Used on clap boards for sheathing and on walls in place of plaster; tacked to the studding and wall paper can be placed over it. Put up in rolls 36 inches wide.

10-A-16.	Rolls containing 250 sq. ft. weight 30 lbs.	\$1.75
10-A-17.	Rolls containing 500 sq. ft., weight 60 lbs.	\$3.25

## CLEAR FIR OUTSIDE MOULDINGS!

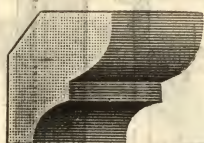
### Crown Mould



Price per 100 lineal feet.

No.	Size	Price Fir
10-A-8000	3/4 x 3 1/4	\$4.25
10-A-8005	1 x 4 1/4	5.25
10-A-8006	1 x 4 1/4	5.25
10-A-8008	1 x 2 1/4	3.15

### Bed Mould



Price per 1000 lineal feet.

10-A-8016.	Size 3/4 x 1 1/4.	Price \$2.10
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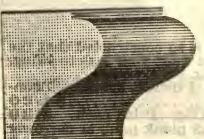
### Sprung Cove



Price per 100 lineal feet.

10-A-8024.	Size 3/4 x 1 1/4.	Price Fir \$2.10
10-A-8029.	Size 3/4 x 3 1/4.	Price Fir 4.25

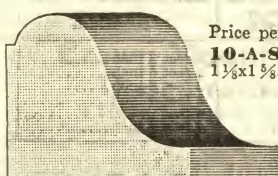
### Solid Bed Mould



Price per 100 lineal feet.

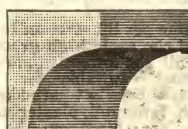
10-A-8036.	Size 3/4 x 1 1/4.	Price Fir \$1.65
10-A-8037.	Size 1 1/4 x 1 1/4.	Price Fir \$3.15

### Brick or Stone Mould



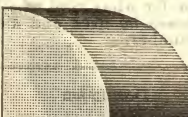
Price per 100 lineal feet.  
10-A-8038. Size 1 1/4 x 1 1/4. Price Fir \$3.15

### Cove Mould



Price per 100 lineal feet.  
10-A-8060. Size 3/4 x 3/4. Price Fir \$0.98  
10-A-8061. Size 3/4 x 1 1/4. Price Fir 1.22

### Quarter Round



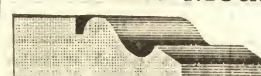
Price per 100 feet.  
10-A-8065. Size 3/4 x 3/4. Price Fir \$0.98

### Nosing Mould



Price per 100 lineal feet.  
10-A-8125. Size 1 1/2 x 2 1/4 for 1 1/2 in. steps. Price Fir \$4.50

### Band Moulding



Price per 100 lineal feet.

10-A-8178.	Size, 3/4 x 2.	Price \$2.10
10-A-8180.	Size, 3/4 x 2 1/2.	Price 3.15

### O. G. Stops



Price per 100 lineal feet.

10-A-8083.	Size 3/4 x 1 1/4.	Price \$0.98
10-A-8084.	Size, 3/4 x 1 1/4.	Price 1.08
10-A-8085.	Size, 3/4 x 1 1/4.	Price 1.38
10-A-8095.	Size, 1/2 x 1 1/4.	Price 1.95
10-A-8096.	Size, 1/2 x 1 1/4.	Price 1.47

### Lattice Strips



Price per 100 lineal feet.

10-A-8281.	Size, 3/4 x 1 1/4.	Price Fir \$1.08
10-A-8282.	Size, 3/4 x 1 1/4.	Price Fir 1.10

### Watertable or Dripcap



10-A-8283.	Size, 1 1/4 x 1 1/4.	Price \$2.40
10-A-8284.	Size, 1 1/4 x 2.	Price 2.60
10-A-8285.	Size, 1 1/4 x 2 1/4.	Price 3.75
10-A-8286.	Size, 1 1/4 x 3.	Price 5.00



# Newest Art Glass!

In selecting art glass be careful to choose a shape and design of the same proportion as the opening.

Do not pick out a high narrow design for a wide opening or a wide design for a high narrow opening.

**10-A-702.** Double strength Florentine or Colonial white glass per square foot.....**25c**

**10-A-704.** Double strength chipped design white glass per square foot.....**45c**

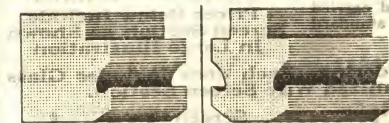
**10-A-706.** Leaded clear sheet crystal glass per square foot.....**98c**

Three square feet is the minimum order that we can handle to advantage for you. For sizes under 3 square feet, a minimum of 3 square feet will be charged. A small charge for boxing will be made on all orders for glass.

**10-A-708.** Leaded clear sheet crystal glass per square foot.....**\$1.05**

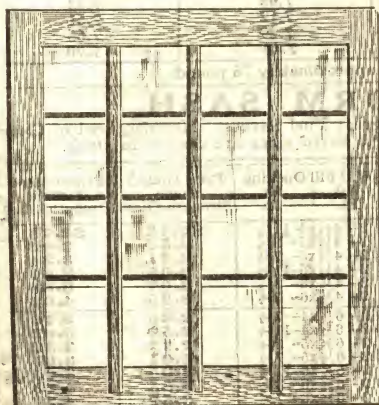
**10-A-710.** Beautiful leaded crystal beveled plate glass per square foot.....**\$2.80**

## SASH BARS



**8436**  
**END SASH BAR**  
**No. 10-A-8436**  
Used at end of Hotbed. Has but one square shoulder for sash to rest upon. Size 1 1/2 x 2 1/4. Price 100 running feet.....**\$5.20**

**8435**  
**INSIDE SASH BAR**  
**No. 10-A-8435**  
Used between Glass. Size 1 3/4 x 2 1/4. Price per 100 running feet.....**\$5.20**



### Half Size Hot Bed Sash

SIZE, 3 feet x 3 feet  
1 1/2 inch thick

No. 10-A-1754. Price, each.....**\$3.28**  
No. 10-A-1755. Dozen lots or more. Price, each.....**\$3.20**  
No. 10-A-1756. Lots of 50 or more. Price, each.....**\$3.15**  
Shipping Weight, 32 Pounds

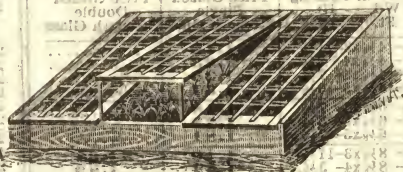
#### Open Hotbed Sash

No. 10-A-1757. Price, each.....**\$2.32**  
No. 10-A-1758. Lots of 12 or more. Price, each.....**\$2.28**  
No. 10-A-1759. Lots of 50 or more. Price, each.....**\$2.25**  
Shipping Weight, 10 Pounds

## Hot Bed Sash Clear White Pine Improved 4 Row Type Featuring:

Four rows of glass. Wood—Clear, well seasoned, close-grain White Pine.  
Extra strong bars. All joints extra strong mortised and tenoned. Strengthened by heavy brads.  
Glass set by hand. Largest number of strength-giving qualities.  
Best linseed oil putty. Smallest number of shadow-casting bracing devices.  
Large triangular zinc glazing points. Quick shipment from Chicago.  
Extra size tacks to hold glass in place.  
Extra deep rabbet.

### Strength Guaranteed

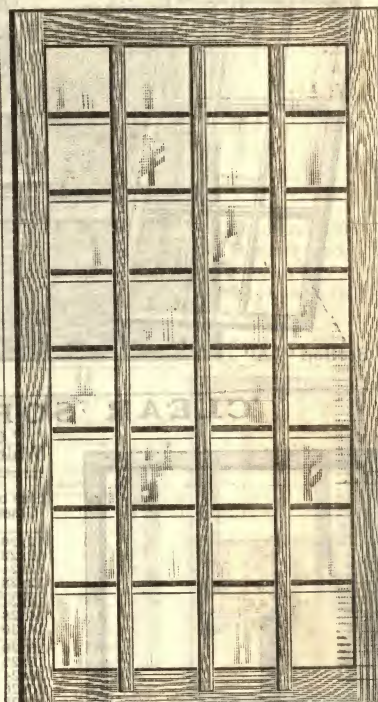


## HOT BED GLASS!

Special Brands of Greenhouse and Hotbed Glass packed expressly for our trade. The sizes listed below represent only a few of the best sellers. We carry a large stock of glass for prompt shipment. Get our prices before you buy.

Standard quality. Large stock on hand. Packed strong. Safe delivery guaranteed.

Lot Number	Size Inches	Price Per Box	No. Lights in Box
10-A-1707	7x9	\$5.10	114
10-A-1708	8x10	5.15	90
10-A-1709	9x12	5.20	67
10-A-1710	10x14	5.40	51
10-A-1711	12x18	15.95	25



### Full Size Hot Bed Sash

SIZE, 3 feet x 6 feet  
1 1/2 inch thick

No. 10-A-1701. Price, each.....**\$4.25**  
No. 10-A-1702. 12 or more, each.....**\$4.15**  
No. 10-A-1703. 50 or more, each.....**\$4.05**  
Shipping Weight, 60 Pounds

#### Open Hotbed Sash

No. 10-A-1704. Price, each.....**\$2.62**  
No. 10-A-1705. 12 or more, each.....**\$2.57**  
No. 10-A-1706. 50 or more, each.....**\$2.52**  
Shipping Weight, 18 Pounds.





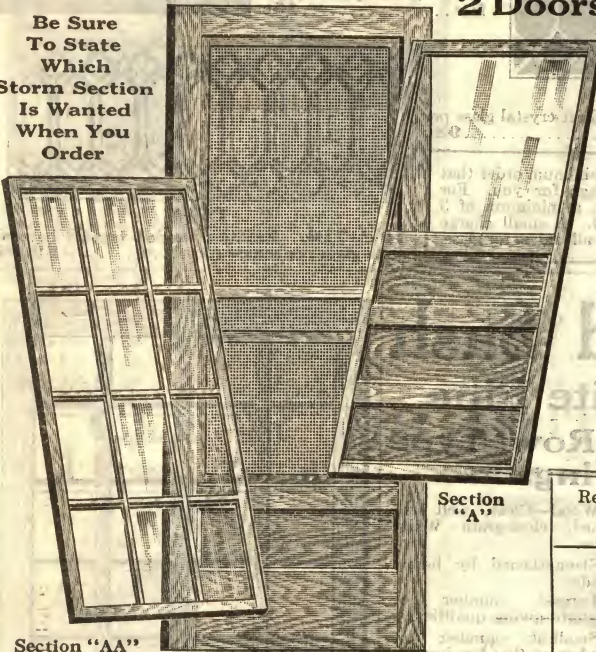
# STORM DOORS

"PRESTO-CHANGE"

Combination Storm Door!

PRESTO-CHANGE Doors are made of Clear White Pine, being 1½ inches in thickness. All joints are mortised and tenoned. Steel dowels prevent sagging. The sections are made as strong as the door itself, with mortised and tenoned joints, glued and pinned. Each door is furnished with two removable sections of the same size; one being the glazed storm section, and the other the screen section.

Be Sure  
To State  
Which  
Storm Section  
Is Wanted  
When You  
Order

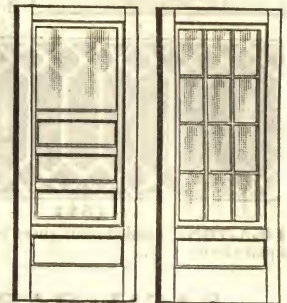


Section "AA"

## 2 Doors at the Price of One

The storm section can be furnished in two different designs as illustrated—"A" and "AA"—and the screen section in one style only, as shown in cut. The opening for the removable panels is 4 feet 8½ inches high in all doors. The removable sections and openings in door are both rabbetted so that when section is in place there is a double lap joint which, together with improved patented fasteners, makes the door dust-proof and weather-proof.

These doors are made up and carried in stock for the following standard door sizes.



10-A-1750

10-A-1751

Prices Below Include Screen Section as Shown in Large Illustration

Mention size when ordering. Each door includes Glass Storm Section and Galvanized Wire Screen Section.

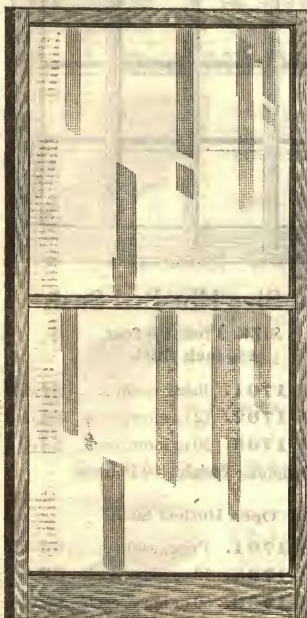
## Prices Presto-Change Storm Door!

Regular Door Size Ft. In.	"Presto-Change" Door Size Ft. In.	10-A-1750 With Storm Section "A" Clear W. Pine. Not Varished	10-A-1751 With Storm Section "AA" Clear W. Pine. Not Varished
2-8x6-8	2-8½x6-9	\$6.86	\$7.20
2-8x7-0	2-8½x7-1	6.96	7.32
2-10x6-8	2-10½x6-9	6.99	7.40
2-10x6-10	2-10½x6-11	7.08	7.43
2-10x7-0	2-10½x7-1	7.12	7.51
3-0x6-8	3-0½x6-9	7.29	7.65
3-0x7-0	3-0½x7-1	7.40	7.70

Shipping Weight, approximately 75 pounds.

## CLEAR SOFT PINE 2 LIGHT STORM SASH

Glazed Standard, Thickness 1½ Inch. Storm Sash are great Fuel Savers. Manufactured of Clear White Pine and guaranteed to be of the best manufacture. All listed sizes are carried in stock.



Size of Glass	Will Fill Opening Wd. Ft. Ht. In.	Price Glazed Single Strength Glass	Price Glazed Double Strength Glass	Size of Glass	Will Fill Opening Wd. Ft. Ht. In.	Price Glazed Single Strength Glass	Price Glazed Double Strength Glass
12x20	1-4½x3-11½	\$1.16		24x26	2-4½x4-11½	\$2.32	\$2.78
12x22	1-4½x4-3½	1.23		24x28	2-4½x5-3½	2.52	3.02
12x24	1-4½x4-7½	1.33		24x30	2-4½x5-7½	2.71	3.24
12x28	1-4½x5-3½	1.51		24x32	2-4½x5-11½	3.05	3.66
14x24	1-6½x4-7½	1.45		24x34	2-4½x6-3½	3.07	3.68
14x28	1-6½x5-3½	1.72		24x36	2-4½x6-7½	3.35	4.02
14x30	1-6½x5-7½	1.81		26x24	2-6½x4-7½	2.30	2.76
16x20	1-8½x3-11½	1.40	\$1.68	26x26	2-6½x4-11½	2.52	3.02
16x22	1-8½x4-3½	1.53	1.89	26x28	2-6½x5-3½	2.77	3.32
16x24	1-8½x4-7½	1.59	1.90	26x30	2-6½x5-7½	3.01	3.61
16x26	1-8½x4-11½	1.78	2.02	26x32	2-6½x5-11½	3.05	3.65
16x28	1-8½x5-3½	1.87	2.22	26x34	2-6½x6-3½	3.55	4.22
16x30	1-8½x5-7½	1.98	2.36	26x36	2-6½x6-7½	3.57	4.27
16x32	1-8½x5-11½	2.11	2.50	28x24	2-8½x4-7½	2.51	3.01
16x36	1-8½x6-7½	2.52	3.40	28x26	2-8½x4-11½	2.75	3.30
18x20	1-10½x3-11½	1.53	1.83	28x28	2-8½x5-3½	3.01	3.64
18x24	1-10½x4-7½	1.78	2.12	28x30	2-8½x5-7½	3.03	3.63
18x26	1-10½x4-11½	1.96	2.36	28x32	2-8½x5-11½	3.55	4.26
18x28	1-10½x5-3½	2.06	2.46	28x36	2-8½x6-7½	3.96	4.76
18x30	1-10½x5-7½	2.17	2.59	30x24	2-10½x4-7½	2.71	3.25
20x20	2-0½x3-11½	1.72	2.06	30x26	2-10½x4-11½	3.01	3.61
20x22	2-0½x4-3½	1.85	2.22	30x28	2-10½x5-3½	3.03	3.64
20x24	2-0½x4-7½	1.96	2.36	30x30	2-10½x5-7½	3.55	4.62
20x26	2-0½x4-11½	2.06	2.40	30x32	2-10½x5-11½	3.59	4.67
20x28	2-0½x5-3½	2.17	2.61	30x36	2-10½x6-7½	4.34	5.20
20x30	2-0½x5-7½	2.20	2.76	32x24	3-0½x4-7½	3.05	3.65
20x32	2-0½x5-11½	2.56	3.07	32x26	3-0½x5-3½	3.55	4.26
20x34	2-0½x6-3½	2.58	3.40	32x30	3-0½x5-7½	3.89	4.67
22x24	2-2½x4-7½	2.06	2.46	34x28	3-2½x5-3½	3.57	4.28
22x26	2-2½x4-11½	2.17	2.60	34x30	3-2½x5-7½	4.32	5.18
22x28	2-2½x5-3½	2.30	2.76	36x28	3-4½x5-3½	3.96	5.38
22x30	2-2½x5-7½	2.52	3.02	40x28	3-8½x5-3½		6.16
22x32	2-2½x5-11½	2.82	3.27	44x28	4-0½x5-3½		6.79
22x36	2-2½x6-7½	3.05	4.09	44x30	4-0½x5-7½		7.91
24x20	2-4½x3-11½	1.95	2.35				
24x24	2-4½x4-7½	2.30	2.76				

If Ventilators Are Wanted Cut in Bottom Rails Add 20c Per Sash!



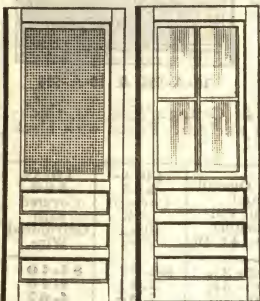
# AND SASH

## "LEADER"

### Combination STORM SCREEN Door

They are equipped with improved metal fasteners, which make changing from Screen Door to Storm Door very simple. There are no screws, bolts or nails to bother with. By the old method, two hours' work or more is required to take a door off its hinges and put on another in its place.

### Changed in a Few Moments



Illustrating Door No. 10A1753 as a Screen Door or Storm Door Ready for Service

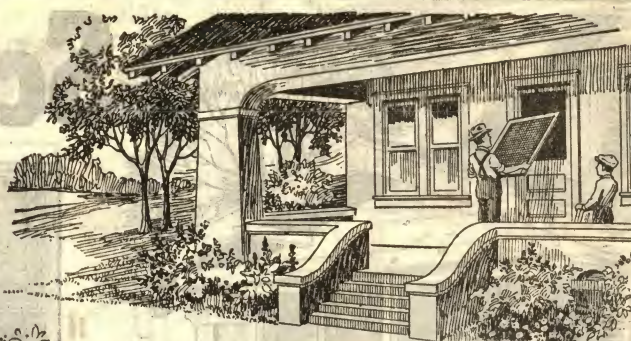
Our Combination Doors have reduced this time of operation to a few minutes, and it is so simple that a child can make the change.

A good, substantial door made of White Pine Lumber. Patented fasteners are the same as used on "Presto-Change" doors. Leader doors are made with stiles  $1\frac{1}{4}$  x  $\frac{3}{4}$ . The opening for the storm and screen sections is  $43\frac{3}{4}$  inches high in all doors. The storm section is divided into four (4) lights, and is glazed with Single Strength Glass, while the Screen Section is covered with 12-mesh Black Wire. We carry these doors in stock Painted Gray ONLY. Weight 70 lbs.

Our "Leader" door is only carried in stock painted Gray.

### Prices "Leader" Screen Storm Door!

Regular Door Size ft. in. ft. in.	Door Size ft. in. ft. in.	Prices, Each, Painted Gray. 10-A-1753
2- 6x6- 6	2- $6\frac{3}{4}$ x6- 7	\$5.82
2- 8x6- 8	2- $8\frac{1}{4}$ x6- 9	6.10
2- 8x7- 0	2- $8\frac{1}{4}$ x7- 1	6.16
2-10x6- 8	2-10 $\frac{1}{4}$ x6- 9	6.20
2-10x6-10	2-10 $\frac{1}{4}$ x6-11	6.24
2-10x7- 0	2-10 $\frac{1}{4}$ x7- 1	6.30
3- 0x6- 8	3- 0 $\frac{1}{4}$ x6- 9	6.41
3- 0x7- 0	3- 0 $\frac{1}{4}$ x7- 1	6.59



Furnished Complete as Shown with Storm and Screen Sections



Combination Storm and Screen Door No. 10-A-1753

### 3, 4, 8 AND 12 LIGHT STORM SASH

#### 12 Light Storm Sash

$1\frac{1}{4}$  inches thick, made from Clear Soft Pine and carried in stock in the following sizes only:

No. 10-A-92 Size of Glass	Will Fill Opening Width Height Ft. In. Ft. In.	Price Glazed Single Strength Glass
8x10	2- $4\frac{1}{4}$ x3-11 $\frac{1}{2}$	\$2.06
9x12	2- $7\frac{1}{2}$ x4- 7 $\frac{1}{2}$	2.49
9x14	2- $7\frac{1}{2}$ x5- 8 $\frac{1}{2}$	2.77
10x12	2-10 $\frac{1}{4}$ x4- 7 $\frac{1}{2}$	2.69
10x14	2-10 $\frac{1}{4}$ x5- 8 $\frac{1}{2}$	2.99
10x16	2-10 $\frac{1}{4}$ x5-11 $\frac{1}{2}$	3.61
12x14	3- $4\frac{1}{4}$ x5- 3 $\frac{1}{2}$	3.63
12x16	3- $4\frac{1}{4}$ x5-11 $\frac{1}{2}$	3.96
12x18	3- $4\frac{1}{4}$ x5- 7 $\frac{1}{2}$	4.41



10-A-92 Twelve Light

#### 4 Light Storm Sash

$1\frac{1}{4}$  inches thick, made from Clear Soft Pine and carried in stock in the following sizes only:

No. 10-A-91 Size of Glass	Will Fill Opening Width Height Ft. In. Ft. In.	Price Glazed Single Strength Glass
10x20	2-1x3-11 $\frac{1}{2}$	\$1.72
10x22	2-1x4- 3 $\frac{1}{2}$	1.81
10x24	2-1x4- 7 $\frac{1}{2}$	1.93
10x26	2-1x4-11 $\frac{1}{2}$	2.11
10x28	2-1x5- 3 $\frac{1}{2}$	2.24
10x30	2-1x5- 7 $\frac{1}{2}$	2.37
10x32	2-1x5-11 $\frac{1}{2}$	2.62
12x20	2-5x3-11 $\frac{1}{2}$	1.94
12x22	2-5x4- 3 $\frac{1}{2}$	2.90
12x24	2-5x4- 7 $\frac{1}{2}$	2.28
12x26	2-5x4-11 $\frac{1}{2}$	2.41
12x28	2-5x5- 3 $\frac{1}{2}$	2.58
12x30	2-5x5- 7 $\frac{1}{2}$	2.86
12x32	2-5x5-11 $\frac{1}{2}$	3.01
12x34	2-5x6- 3 $\frac{1}{2}$	3.14
12x36	2-5x6- 7 $\frac{1}{2}$	3.27
14x20	2-9x3-11 $\frac{1}{2}$	2.13
14x22	2-9x4- 3 $\frac{1}{2}$	2.41
14x24	2-9x4- 7 $\frac{1}{2}$	2.56
14x26	2-9x4-11 $\frac{1}{2}$	2.67
14x28	2-9x5- 3 $\frac{1}{2}$	3.07
14x30	2-9x5- 7 $\frac{1}{2}$	3.20
14x32	2-9x5-11 $\frac{1}{2}$	3.42
14x34	2-9x6- 3 $\frac{1}{2}$	3.58
15x30	2-11x5-7 $\frac{1}{2}$	3.50



10-A-91 Four Light

#### Cottage Front Storm Sash

$1\frac{1}{4}$  inches thick, made from Clear Soft Pine and carried in stock in the following sizes only:

No. 10-A-90 Size of Glass Bottom Top	Will Fill Opening Width Height Ft. In. Ft. In.	Price Glazed Double Strength Glass
40x40 40x14	3-8 $\frac{1}{4}$ x5- 1 $\frac{1}{2}$	\$6.30
40x42 40x14	3-8 $\frac{1}{4}$ x5- 3 $\frac{1}{2}$	6.73
40x40 40x16	3-8 $\frac{1}{4}$ x5- 3 $\frac{1}{2}$	6.76
40x44 40x16	3-8 $\frac{1}{4}$ x5- 7 $\frac{1}{2}$	7.79
44x40 44x16	4-0 $\frac{1}{4}$ x5- 3 $\frac{1}{2}$	8.08
44x44 44x16	4-0 $\frac{1}{4}$ x5- 7 $\frac{1}{2}$	9.24
44x48 44x16	4-0 $\frac{1}{4}$ x5-11 $\frac{1}{2}$	9.60
44x46 44x18	4-0 $\frac{1}{4}$ x5-11 $\frac{1}{2}$	9.37
44x50 44x18	4-0 $\frac{1}{4}$ x6- 3 $\frac{1}{2}$	10.03

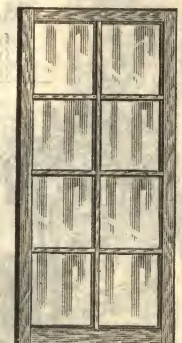


12-A-90

#### 8 Light Storm Sash

$1\frac{1}{4}$  inches thick, made from Clear Soft Pine and carried in stock in the following sizes only:

No. 10-A-93 Size of Glass	Will Fill Opening Width Height Ft. In. Ft. In.	Price Glazed Single Strength Glass
8x10	1- 9x3-11 $\frac{1}{2}$	\$1.53
9x12	1-11x4- 7 $\frac{1}{2}$	1.83
10x12	2- 1x4- 7 $\frac{1}{2}$	1.96
10x14	2- 1x5- 3 $\frac{1}{2}$	2.15
10x16	2- 1x5-11 $\frac{1}{2}$	2.62
12x14	2- 5x5- 3 $\frac{1}{2}$	2.56
12x16	2- 5x5-11 $\frac{1}{2}$	2.86
14x16	2- 9x5-11 $\frac{1}{2}$	3.23

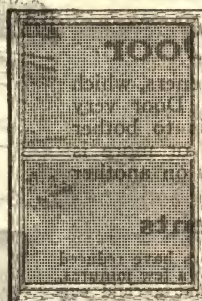
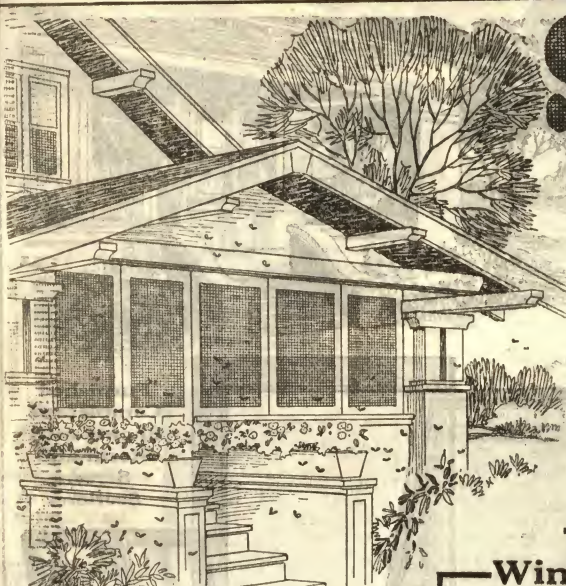


12-A-93 Eight Light

If Ventilators Are Wanted Cut In Bottom Rails  
Add 20c Per Sash



# Screen Doors



10-A-527 & 10-A-528

## Full Size Two-Light Window Screens

Frames 1 1/2 Inch Thick  
Painted Black

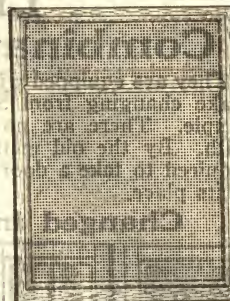
These screens are made full size and will cover entire window. Prices shown are for standard 12-mesh Black and Galvanized Wire. They are 1 1/2" thick. Furnished with frames painted black unless otherwise ordered. Write for prices of screens with White or Gray painted frames. Painted Black is our regular stock.

Made of Clear Pine Lumber. Side and Top Rail 2 in.; Bottom Rail 4 1/2 in. wide. This allows for considerable trimming in case stock sizes are slightly too large.

## Cottage Window Screens

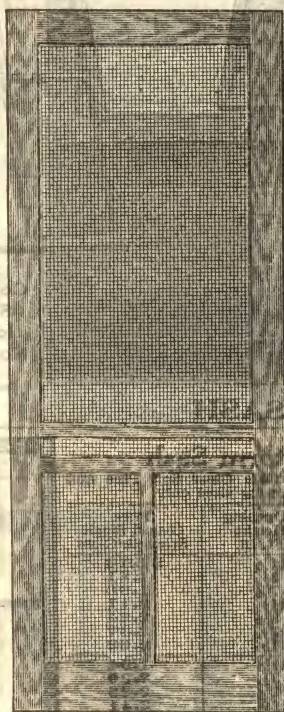
Made of Clear Pine Lumber. Side and Top Rail 2 inches; Bottom Rail 4 1/2 inches wide. This allows for considerable trimming in case stock sizes are slightly too large.

Full Size Screens to fit Cottage Windows, thickness 1 1/2 inches. Made like cut. Priced with black and galvanized wire.



10-A-585 & 10-A-586

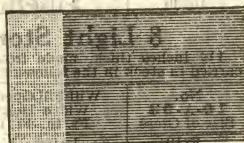
Size of Bottom Glass in Windows	Size of Top Glass in Windows	Size Overall and Will Fill Opening Ft. In. Ft. In.	10-A-585 Covered with Black Wire	10-A-586 Covered with Galvanized Wire
40x40	40x16	3-8x5-3 1/2	\$3.81	\$4.40
40x42	40x14	3-8x5-3 1/2	3.81	4.40
40x44	40x16	3-8x5-7 1/2	4.05	4.67
44x40	44x16	4-0x5-3 1/2	4.16	4.88
44x44	44x16	4-0x5-7 1/2	4.41	5.10
44x48	44x16	4-0x5-11 1/2	4.68	5.40
44x50	44x18	4-0x6-8 1/2	4.94	5.70



"POPULAR"—10-A-501

10-A-501—"Popular" Screen Door, made of selected Soft Arkansas Pine, Stained Walnut or Painted Black. Covered with Black Wire Cloth. Stiles and rails 1 1/2 inches thick. Weight about 25 pounds.

Width	Height	Price, each	Width	Height	Price, each
2 ft. 6 ins.	6 ft. 6 ins.	\$2.57	2 ft. 8 ins.	7 ft. 0 ins.	\$2.82
2 ft. 8 ins.	6 ft. 8 ins.	2.70	2 ft. 10 ins.	7 ft. 0 ins.	2.88
2 ft. 10 ins.	6 ft. 10 ins.	2.85	3 ft. 0 ins.	7 ft. 0 ins.	2.94



## Top, Side and Center Rail

10-A-595. Size, 1/2 x 1 1/2 inches. Price, per 100 lineal feet.....

\$2.10



## Grooved Stile for Half Screens

10-A-597. Size, 1/2 x 1 1/2 inches. Price, per 100 lineal feet.....

\$2.10

## SCREEN

### Screen Moulding

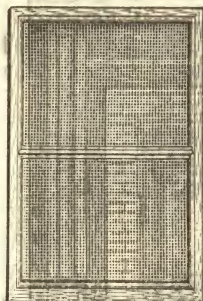
Screen Moulding for covering screen wire where nailed to edges of stile and rails.

10-A-598. Screen Moulding. Price, per 100 lineal feet. 1/2 x 1 1/2 inches.....

85c



# and Windows



No. 10-A-508

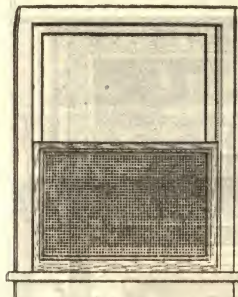
## Special Made to Order Full Size and Half Size Window Screens

Well made from carefully selected materials. Close-fitting joints. Strongly built in every way. Made of Clear White Pine lumber.

Screens are made to order, either full size or half size. The half screens are grooved at the sides for slides. Slides are included in the prices quoted. Furnished in black and galvanized wire as listed. Furnished with wood painted Black or Unpainted.

No screen covered with Black Wire furnished for less than \$1.45.

No screen covered with Galvanized Wire furnished for less than \$1.60.



10-A-507

## Prices of Special Made to Order Full and Half-Size Screens

Prices per square foot for  
window screen, measuring  
from outside to outside

No.  
10-A-507. Half size, Black Wire Cloth.  
1/2 inch thick. 18 1/2c  
10-A-508. Full size, Black Wire Cloth.  
1 1/2 inch thick. 19c  
10-A-510. Half size, Galvanized Wire.  
1/2 inch thick. 20c  
10-A-511. Full size, Galvanized Wire.  
1 1/2 inch thick. 21c  
No Made-to-Order Screens figured less than  
8 square feet.

## Full Size 4 Light Window Screens

Full Size Screens to fit Four Light Windows. Thickness 1 1/8 in. Painted black and furnished in Black Wire only.

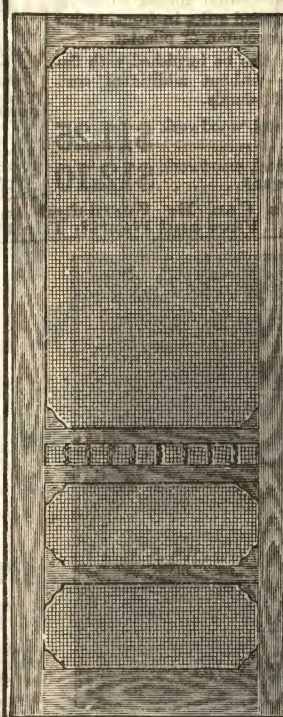
Shipping Weight Approximately 18 pounds.

Size of Glass in Windows Four Lights	Will Fill Opening Ft. in. Ft. in.	10-A-527 Covered with Black Wire
10x20	2 1x3 11 1/2	\$1.35
10x24	2 1x4 7 1/2	1.37
10x26	2 1x4 11 1/2	1.45
10x28	2 1x5 3 1/2	1.56
10x30	2 1x5 7 1/2	1.67
12x20	2 2x3 11 1/2	1.35
12x24	2 2x4 7 1/2	1.59
12x26	2 2x4 11 1/2	1.69
12x28	2 2x5 3 1/2	1.80
12x30	2 2x5 7 1/2	1.91
12x32	2 2x5 11 1/2	2.03
14x20	2 2x3 11 1/2	1.54
14x24	2 2x4 7 1/2	1.78
14x26	2 2x4 11 1/2	1.91
14x28	2 2x5 3 1/2	2.06
14x30	2 2x5 7 1/2	2.17
14x32	2 2x5 11 1/2	2.29

## Porch Screens Durably Made 1 1/8-inch Thick

Here is your opportunity to enjoy Spring and Summer air right on your porch. Plan that extra sitting room on the front porch and that breakfast room on the rear porch right now. These Porch Screens are 1 1/8 in. thick, and are made to order only. Made of clear white pine lumber.

Height of Opening to be Filled	10-A-553 Price per lineal or Running Foot Black Wire	10-A-554 Price per lineal or Running Foot Galv. Wire
6 feet	\$1.20	\$1.35
8 feet	1.60	1.80
9 feet	1.80	2.05
10 feet	2.00	2.25



"COTTAGE"—10-A-502

10-A-502. "COTTAGE" Screen Door is made of selected Soft Arkansas Pine. Finished Natural, two coats varnish. Covered with Black Wire Cloth. Stiles and rails 1 1/8 inches thick.

Width Height	Price, each	Width Height	Price, each
2 ft. 6 ins. x 6 ft. 6 ins.	\$3.25	2 ft. 8 ins. x 7 ft. 0 ins.	\$3.49
2 ft. 8 ins. x 6 ft. 8 ins.	3.39	2 ft. 10 ins. x 7 ft. 0 ins.	3.55
2 ft. 10 ins. x 6 ft. 10 ins.	3.52	3 ft. 0 ins. x 7 ft. 0 ins.	3.63

## WINDOW STOCK



### Screen Slide for Half Screens

Fits into the groove shown in grooved stile.

10-A-599. Screen slide size, 1/2 x 1/2 inches. Price \$1.05 per 100 lineal feet.

Screen moulding, made of kiln-dried stock. Soft White Pine, Fir or Cypress—the best known woods for exterior use on account of their weather defying qualities. Smoothly run, clear and in standard sizes; carried in stock in random lengths. If wanted cut to specified lengths, add 10 per cent. extra to listed prices.



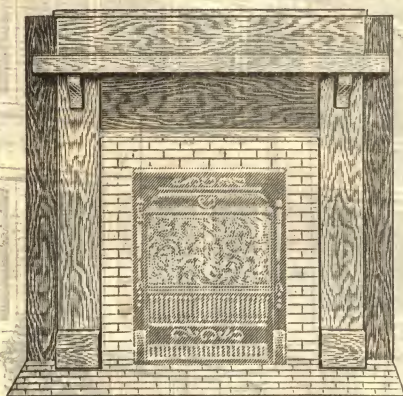
### Bottom Rail

10-A-596. Size, 3/4 x 2 1/2 ins. Price, per 100 lineal feet. \$3.35





# Attractive Mantels to Beautify Your Home



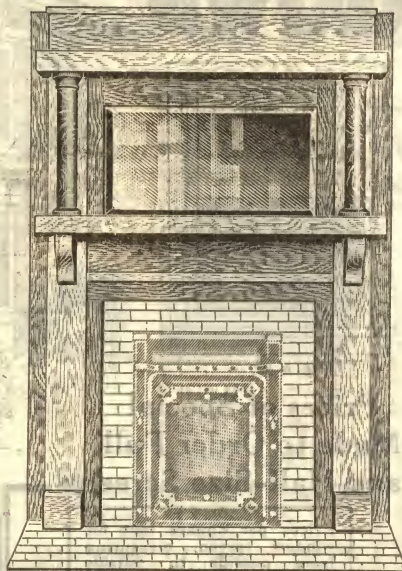
Finished in clear Oak or Birch Mahogany, ready to install. 56 in. high, 56 to 60 in. wide. Tile opening, 36x36 in. or 42x36 in. Projection, 3 1/4 in. Royal Gloss finish.

This pattern is somewhat similar to others shown, except the broad stiles in front, rather than the use of the column or pilaster.

This Mantel can also be furnished with flat jambs—no profile—without additional cost. Shipping weight, 90 pounds.

**10-A-818.** Mantel, woodwork only. Price, Oak.....**\$11.25**

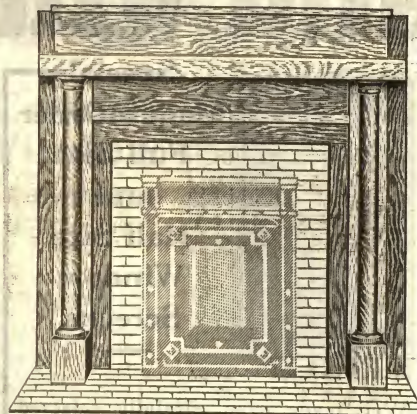
**10-A-819.** Mantel, woodwork only. Price, Mahogany.....**\$12.10**



Finished in clear Oak or Birch Mahogany, ready to install. Two different size mirrors, 78 inches high, 54 to 60 in. wide. Tile opening 36x36 or 42x36 in. Projection, 3 1/4 in. Royal Gloss finish. The box fronts, columns and brackets under lower shelf are all genuine quartered oak. Shipping weight, 210 pounds.

**10-A-837.** Mantel, woodwork and mirror only. Price.....**\$31.50**

**10-A-838.** Mantel, woodwork and mirror only. Price.....**\$36.35**



Finished in clear Oak or Birch Mahogany, ready to install. 57 in. high, 57 to 60 in. wide, 6x36 in. or 42x39 in. tile opening. Projection, 3 1/4 in. Royal Gloss finish.

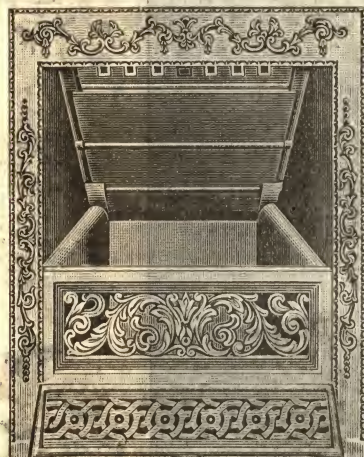
Made in both selected Oak with Quartered Oak columns and shelf front, and in Birch Mahogany, and finished in best Royal Gloss finish.

**10-A-811.** Mantel, woodwork only. Price, Oak.....**\$18.25**

**10-A-815.** Mantel, woodwork only. Price, Mahogany.....**\$19.50**

**These Mantels Can Be Furnished in the White, i. e.: Unfinished.** Shipped Direct From Southern Factory. Face and Hearth Tile 1 1/8"x8" Any Color can be Furnished at \$1.20 per Square Foot.

## FIREPLACE OUTFITS



"Majestic" Double Damper Mounted Grate. It consists of a heavy cast iron body forming the fire chamber, and provided with upper and lower dampers and dumping grate bottom. The dampers are controlled by levers operating from the front of fireplace. The back of the fire receptacle, the point exposed to the most intensive heat is provided with fire-proof slab of tile. The grate bottom is balanced so as to operate readily under the pressure of a poker.

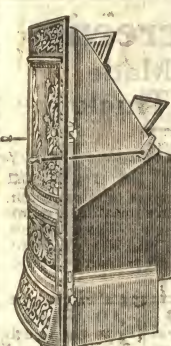
The arrangement of the double damper gives perfect control to the draft and fire.

**MAJESTIC GRATE OUTFIT**

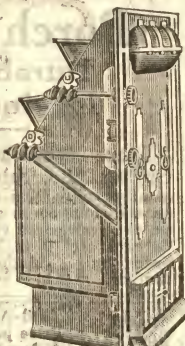
**10-A-1736.** Size, 24 1/2 in. wide by 30 1/2 in. high, with firepot 20 in. wide x 9 in. deep; Berlin Black Finish, Steel Summer Front included. Price.....**\$17.95**

**10-A-1737.** Size, 30 1/2 in. wide by 30 1/2 in. high, with firepot 20 in. wide x 9 in. deep; Berlin Black Finish, Steel Summer Front included. Price.....**\$20.55**

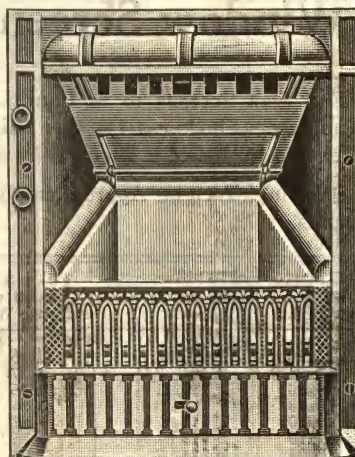
Extra for Plated Finish \$1.75  
Shipping Weight 190 pounds.



Sectional view of Majestic grate outfit showing side view of damper attachment and back lining of fire pot. Note two dampers and durable construction.



Sectional view of Radiance grate outfit showing damper arrangement and durable construction. Note the heavy fire clay linings.



**RADIANCE Double Damper Mounted Grate.** The leading feature consists of the heavy cast iron body forming fire chamber. This body is capable of great heat resistance, and is provided with two controlling dampers. These dampers are operated from the front of fireplace by worm gear controls, adjustment at any point. The cheeks and back of fireplace consists of fire-proof tile slabs. The fire bottom is provided with finger grate bars, geared together. Basket front and crown pieces are provided with damper slides.

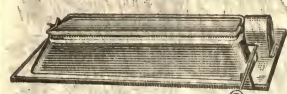
**RADIANCE GRATE OUTFIT**

**10-A-1436.** Size, 24 1/2 in. wide x 30 1/2 in. high, with firepot 20 in. wide x 9 in. deep; Berlin Black Finish. Price.....**\$22.95**

**10-A-1437.** Size, 30 1/2 in. wide x 30 1/2 in. high with firepot 24 in. wide x 9 in. deep; Berlin Black Finish. Price.....**\$25.95**

Plated Finish \$1.75 Extra  
Shipping Weight 200 pounds.

### Dome Damper

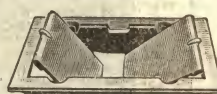


This Improved Dome Damper has cast sections of the best grade iron stove castings. The Worm Gear Control automatically locks door at any desired opening, giving all the heat with no smoke.

Number	Size Front	Shipping Weight	Price
<b>10-A-2010</b>	32 inches	40 pounds	<b>\$8.10</b>
<b>10-A-2011</b>	34 inches	45 pounds	<b>8.30</b>
<b>10-A-2012</b>	36 inches	45 pounds	<b>8.50</b>
<b>10-A-2013</b>	40 inches	52 pounds	<b>9.40</b>

The ordinary damper with Ratchet Control can be furnished for \$1.00 less than prices above.

### Automatic Ash Pit Trap



Automatic Double Door Ash Trap made extra heavy with flanges to keep it in place.

**10-A-1333,** size 5 1/2"x7 1/2". Price.....**\$ .95**

**10-A-1334,** size 6"x12". Price.....**1.22**

### Wire Spark Guard

A very strong serviceable Guard made with extra strong frame with cross bars.

**BLACK FINISH WIRE CLOTH, 6 MESH.**

**10-A-1502,** size 31" wide, 31" high, 6" deep. Price.....**\$5.75**

**10-A-1503,** size 33" wide, 33" high, 6" deep. Price.....**\$5.95**

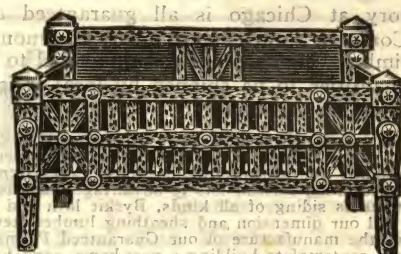
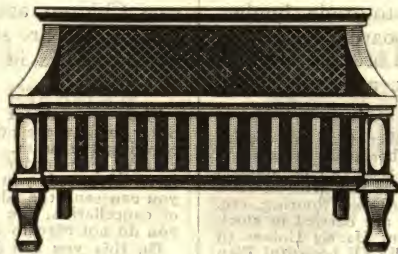
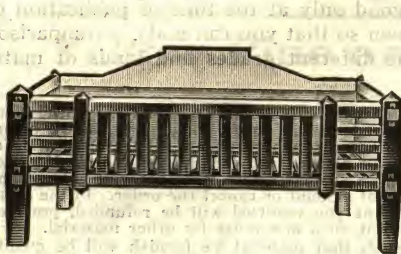
Shipping weight 15 pounds.





# Portable Basket Grates for Open Fireplaces

Each design has been carefully chosen, with special reference to its decorative value. The different patterns cater to every taste. Any kind of fuel may be burned in them. Dumping bottom, Berlin Black Finish.



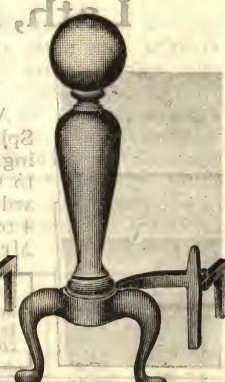
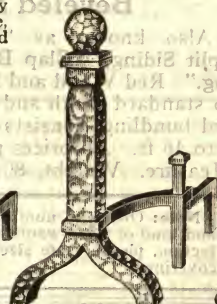
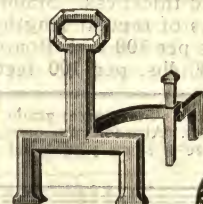
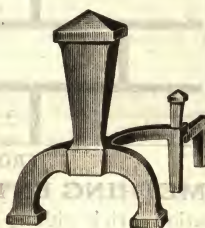
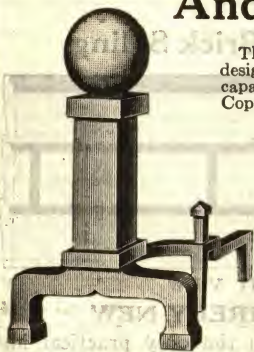
Number Price  
**10-A-2124.** Width across front, 20 in... \$ **9.60**  
**10-A-2126.** Width across front, 24 in... **10.00**  
**10-A-2128.** Width across front, 30 in... **12.40**  
 For Oxidized Copper Finish add..... **\$3.00** extra.  
 For Flemish Gray Finish add..... **\$2.00** extra.  
 Shipping weight approximately 70 pounds.

Number Price  
**10-A-2130.** Width across front, 20 in... **\$11.95**  
**10-A-2131.** Width across front, 24 in... **12.40**  
**10-A-2133.** Width across front, 36 in... **18.00**  
 For Oxidized Copper Finish add..... **\$3.00** extra.  
 For Flemish Gray Finish add..... **\$2.00** extra.  
 Shipping weight approximately 80 pounds.

Number Price  
**10-A-2215.** Width across front, 22 in... **\$12.20**  
**10-A-2217.** Width across front, 26 in... **13.20**  
**10-A-2218.** Width across front, 28 in... **14.00**  
 For Oxidized Copper Finish add..... **\$3.00** extra.  
 For Flemish Gray Finish add..... **\$2.00** extra.  
 Shipping weight approximately 75 pounds.

## Andirons of Very Latest Designs

The Andirons illustrated below are all of exceptional quality, very carefully designed. A specially prepared metal composition is used in the manufacture, capable of withstanding intense heat. Furnished in Berlin Black, Oxidized Copper and Flemish Gray Finish.



**10-A-2225. BALL TOP ANDIRONS.** Berlin Black Finish, total height 18 1/2 inches, shipping weight, 50 pounds. Price, per pair... **\$9.50**  
 Can furnish Oxidized Copper or Flemish Gray Finish for \$2.00 extra.

**10-A-2226. MISSION STYLE ANDIRONS.** Berlin Black Finish, total height, 15 inches, shipping weight, 30 pounds. Price per pair..... **\$5.85**  
 Can furnish Oxidized Copper or Flemish Gray Finish for \$2.00 extra.

**10-A-2227. BALL TOP ANDIRONS.** Berlin Black Finish, total height 14 1/2 inches, shipping weight, 30 pounds. Price, per pair... **\$4.95**  
 Can furnish Oxidized Copper or Flemish Gray Finish for \$1.50 extra.

**10-A-2228. BERLIN BLACK ANDIRONS.** total height 14 inches, shipping weight, 30 pounds. Price per pair..... **\$3.50**  
 Can furnish Oxidized Copper or Flemish Gray Finish for \$1.50 extra.

**10-A-2229. MISSION STYLE ANDIRONS.** Hammered Effect, Berlin Black Finish, total height 21 1/2 inches, shipping weight, 50 pounds. Price per pair..... **\$9.85**  
 Can furnish Oxidized Copper or Flemish Gray Finish for \$2.50 extra.

**10-A-2230. COLONIAL STYLE ANDIRONS.** Berlin Black Finish, total height 23 inches, shipping weight, 60 pounds. Price per pair..... **\$11.25**  
 Can furnish Oxidized Copper or Flemish Gray Finish for \$2.50 extra.



**"Brilliantfire"**  
 Mounted Gas Grate  
 Complete Outfit **\$16.95**

Complete mounted Gas Grate and Summer Front; 24 1/2 inches wide by 30 1/2 inches high. It is fitted with our latest type steel burners, spreading one continuous sheet of fire over the asbestos back and radiating at least one-third more heat than can be produced by any other gas grate with same amount of gas. It has projecting canopy top, and damper for regulating the ventilation; also gas valve, air mixer and copper reflectors. Grate is all put together, complete, ready for use. Shipping weight, 75 lbs.

**10-A-1314.** Brilliantfire Mounted Gas Grate, Outfit 24 1/2 x 30 1/2 inches, as described above. Berlin Black Finish. Price complete..... **\$16.95**  
 Copper Plated, \$1.75 extra.

**10-A-1316.** Same Outfit as above, except it is 30 1/2 inches wide by 30 1/2 inches high. Berlin Black Finish. Price complete..... **\$19.95**  
 Copper Plated, \$1.75 extra.

Note: The Brilliantfire Gas Grate is the cheapest, cleanest and quickest

## Terra Cotta Gas Log



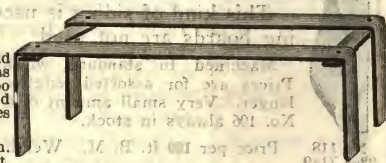
Triple Gas Logs; beautiful reproduction of natural wood. Made of best heavy terra cotta, highly burned, will last a life time. Price includes adjustable spud and mixer. Everything ready to attach to stop cock at end of pipe.

These Gas Logs may be rested on regular Andirons, or Gas Log Stands.

**10-A-1491.** Size, 18 in. Price..... **\$ 8.10**  
**10-A-1492.** Size, 20 in. Price..... **10.08**  
**10-A-1493.** Size, 24 in. Price..... **11.04**

NOTE: 18 inch only carried in stock—as this is the average size ordered—other sizes shipped direct from our factory in Ohio.

## Gas Log Stands



Wrought Iron, hand made, solid and substantial. Used to rest gas logs on. Legs can be cut off if too long. 14 inches is average size and will do for all logs under 24 inches long. Painted Berlin Black.

**10-A-1488.** Length, 14 in. Width, front to back, 7 in. Height, 5 1/2 in. Price..... **\$ .90**  
**10-A-1489.** Length, 18 in. Width, front to back, 8 in. Height, 5 1/2 in. Price..... **1.03**  
**10-A-1490.** Length, 20 in. Width, front to back, 8 in. Height, 5 1/2 in. Price..... **1.11**

Leaves no dust or ashes. Try one and be convinced.



# LUMBER! All Guaranteed Grades

The lumber we handle here at our Main Plant and Factory at Chicago is all guaranteed up-to-grade lumber. Common dimension lumber, common boards, sheathing, timbers, etc., are not recommended to be ordered in small quantities to be shipped by local freight, as local freight rates are too high.

However, there are many other items of lumber that are higher in value, lighter in weight and in some neighborhoods difficult to obtain. We are offering on these pages items that can be shipped in less than carload lots to advantage—especially is this true on such items as siding of all kinds, Byrkit lath and hardwood flooring, etc.

All our dimension and sheathing lumber items are carried in stock for the manufacture of our Guaranteed Permanent Harris Homes (if you contemplate building a new home, send for FREE beautiful Plan Book; see back cover), and our Patented PRESTO-UP Bolt-Together Garages and Cottages. These alone require millions upon millions of feet of best quality lumber every year.

Prices quoted on lumber in these pages are F. O. B. cars Chicago, and good only at the time of publication of catalog and are shown so that you can make a comparison of the values in the different grades and kinds of material offered.

They are subject to change without notice. You may send your order in at these prices and we will notify you of any change before entering the order. If prices have been reduced since publication of catalog, your order will be shipped and balance refunded. If prices have advanced, you will be advised before your order is entered and you can send the additional amount or cancel the order. In the event of cancellation, the amount you remitted will be refunded, provided you do not care to apply it on a new order for other material.

On this you can depend, that material we furnish will be quality material, correct count and grade, carefully shipped and safe delivery guaranteed. No orders for Chicago City or Suburban truck delivery accepted at these prices.

## Siding, Flooring, Ceiling, Byrkits Patent Lath, Stucco Lath, Drop Siding, Brick Siding, Colonial Siding

### Beveled Siding

Also known as "Weather-Boarding Split Siding," "Clap Boards or Lap Siding." Red Wood and Spruce. Machined to standard width and thickness. Standard bundling, consists of regular lengths 4 to 16 ft. All prices per 100 feet, Board Measure. Weight, 80 lbs. per 100 feet.

Note: Order by number. State size, grade and kind of wood wanted. Also for your protection, please state size of space you intend covering.

Number	Size	Grade	Wood	Price
22-A-711	1/2 x 4	Clear	Spruce	\$6.00
22-A-712	1/2 x 6	Clear	Spruce	6.20
22-A-713	1/2 x 4	Clear	Red Wood	6.00
22-A-714	1/2 x 6	Clear	Red Wood	6.20
22-A-715	1/2 x 8	Clear	Red Wood	6.50

### Colonial Siding

This popular wide siding, also known as Channel-Rustic siding, is the kind you see used so much on high class Colonial and Dutch Colonial Houses. Numerous modern California Bungalows in the best residential districts are being built with this material specified. When painted white, it makes a most striking appearance. Best grade kiln dried lumber only.

No. 22-A-720. 1x8 inch clear Fir Colonial siding. Weight, 210 lbs. Price per 100 feet, B. M., \$7.90

### Drop Siding

Also known as "Novelty Siding," "Rustic Siding," "German or Dutch Siding," "Patent Siding."

This kind of siding is used where sheathing boards are not used.

Machined to standard widths and thickness. Prices are for assorted lengths 6 to 16 feet and longer. Very small amount of 6 and 8 ft. Pattern No. 106 always in stock.

Number	Size	Grade	Wood	Price	Weight
No. 118					
22-A-7149	1x6	Clear	Oregon Fir	\$7.50	190 lbs.
22-A-7148	1x6	Clear	Oregon Fir	7.40	190 lbs.

### Patented Cypress Brick Siding

The illustration gives a general view of siding as applied. Sample sent on receipt of 10c in stamps.



FRONT VIEW

### SOMETHING ENTIRELY NEW

Wood imitation brick siding is the only practical improvement in house siding within the last quarter century. Substantial, durable and inexpensive. Applied similar to novelty or drop siding, but has a decided advantage over any other material. The perfection of the recessed "mortar" joints made by patented automatic machinery produces an effect resembling "raked" mortar joints, yet more beautiful.

Made of 4-inch clear cypress strips. When applied gives the appearance of a brick veneered house. Quickly and easily painted with our paint guards described below. Many beautiful effects in outside decoration can be obtained.

Carpenters and builders are invited to study wood brick siding, its uses and possibilities for new walls as well as modernizing old houses. Many uses for outdoor and interior decoration or wherever the brick effect is desired.

Weight, 60 lbs. per 100 ft. B. M.

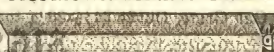
No. 22-A-716. 4-inch clear cypress brick siding. Lots of less than 500 feet. Price per 100 ft. B. M., \$7.90

No. 22-A-717. As above, 500 feet or more, per 100 ft. B. M., 7.50

END VIEW

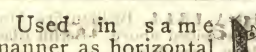
### Paint Guards for Above

#### Horizontal Paint Guard



Paint guards are made of galvanized iron with hinged spring tension—makes the painting of mortar joints quick and easy. Simply set the guard in joint and slide it along with paint brush inserted. Any one can do it. No. 22-A-719. Price each... 30c

#### Vertical Paint Guard



Used in same manner as horizontal guard, except that it is smaller, to fit vertical joints.

No. 22-A-721. Each... 15c



# Continuation of Prices on **LUMBER!**

## Flooring—Ceiling—Stucco Lath—Hardwood Flooring

### Yellow Pine and Fir



#### House Flooring

Best quality. Correctly manufactured and thoroughly kiln dried.

Price per 100 ft. B. M.  
Weight 200 lbs. per 100 ft.  
Assorted lengths 8 to 20 ft.

Number	Finished size	Grade	Wood	Price
22-A-7120	3/4x3 1/4	Clear	Flat Sawed Fir	\$7.10
22-A-7122	3/4x3 1/4	Clear	Flat Sawed Y. Pine	7.85
22-A-7126	3/4x2 1/4	Clear	Flat Sawed Y. Pine	9.35

Above are the highest grades made. Shipped carefully bundled. Y. P. means Yellow Pine, or Southern Hard Pine.

### Fir Porch Flooring

We recommend Fir especially for the purpose of porch floors. It wears better because it is not as soft as Soft Pine and some other woods now being endorsed for Porch floors. This close knit fibrous Fir of the Western Slope, in our opinion, has all other woods backed off the boards for porch floors.

Price per 100 feet B. M. Weight 200 lbs. per 100 ft.

Number	Size	Grade and Kind	Lengths	Price
22-A-7137	3/4x3 1/4	Clear Flat Grain Fir	6 to 9 ft.	\$6.00
22-A-7138	3/4x3 1/4	Clear Edge Grain Fir	6 to 9 ft.	7.30



### Plastering Lath

Always in stock. Full thickness and width. Mixed Northern pines, No. 1 grade. 32" lath. Weight, 325 per 1000.

Low Prices per 1,000 Pieces.

22-A-7165.	32-inch Lath, Northern Pine.....	\$ 5.00
22-A-7166.	48-inch Lath, Northern Pine.....	11.00
22-A-7167.	48-inch Lath, No. 1 Yellow Pine.....	10.00
48-inch Lath, weight, 500 lbs. per 1,000.		

### Creosoted Red Cedar Shingles



#### "HARRIS BEST"

#### 25 to 40-year Roof

This is, in our opinion, the best roof shingle made. Clear lumber—all heart wood—no-sap and 1/4 sawed, creosoted with best quality creosote and stained. Shingles used are best 5X.B.C. clears, 5/2 thickness, 16" long. When applied with galvanized nails, will last 25 years; zinc coated nails, 40 years.

22-A-5120.	Color, rich brown. Price per square.....	\$9.35
22-A-5121.	Color, moss green. Price per square.....	9.65

Sold only by the square, 4 bunches to the square, to be laid 5 inches to the weather.

### Washington Red Cedar Shingles

NOT CREOSOTED OR STAINED

22-A-7140.	Extra Star A Star 16-inch, 6 to 2 butts. Weight, 160 lbs. Price, per M.....	\$5.90
22-A-5115.	Extra Clear, 16-inch, 5 to 2 butts. Highest grade made. Weight, 180 lbs. Price, per M.....	6.65
4 Bunches to the M.		

### Oak and Maple



#### Hardwood Flooring

Perfectly Manufactured, Guaranteed Grades

Kiln Dried, End Matched, Tongued and Grooved

Nature has particularly favored these splendid and most substantial of all American hardwoods. Their very names stand for durability.

There is a hardwood flooring grade for every flooring purpose—from public building to private home and from castle to cottage.

A well informed landlord knows that hardwood flooring commands a higher rental, and at the same time attracts a better class of tenants. The real estate dealer who builds to sell, knows that they are his "one best bet."

The most convincing endorsement as to the superior merits of hardwood flooring is found in its steadily increasing use for every type of building both private and public.

**NOTE**—Order by number. State size, grade and kind of wood wanted. Also for your protection, please state size of space you intend covering.

Price per 100 feet Board Measure. Standard lengths.

Number	Finished Size	Grade	Wood	Price	Weight
22-A-5311	3/4x2	Select	Maple	\$6.00	100 lbs.
22-A-5314	3/4x2	Clear	Maple	7.85	per
22-A-5316	3/4x2	Select	Oak	8.00	100 ft.
22-A-5320	3/4x2	Clear	Oak	9.75	
22-A-7155	3/4x2 1/4	Clear	Maple	12.50	
22-A-7156	3/4x2 1/4	Select	Maple	11.25	200 lbs.
22-A-7157	3/4x2 1/4	Clear	Red Oak	13.75	per
22-A-7158	3/4x2 1/4	Select	Red Oak	12.50	100 ft.
22-A-7159	3/4x2 1/4	"C" & Btr.	Red Oak	10.50	

### Ceiling—Wainscot and Partition



For porches, under eaves, wainscot, ceiling, etc. All tongued, grooved and beaded, smoothly machined. Kiln dried, suitable for natural finish. Assorted lengths, 6 ft. to 16 ft.

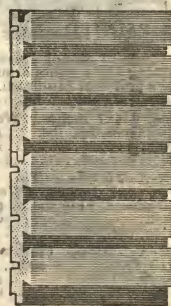
Number	Finished Size	Grade	Wood	Price 100 ft. B. M.	Wgt. per 100 ft.
22-A-7151	3/4x3 1/4	Clear	Oregon Fir	\$6.65	140
22-A-7153	3/4x3 1/4	Clear	Oregon Fir	7.60	200
22-A-7154	3/4x3 1/4	No. 1C	Yellow Pine	5.90	200

### Byrkits Patent Sheathing Lath or Stucco Lath

Used in place of sheathing boards when wall is to be covered with stucco.

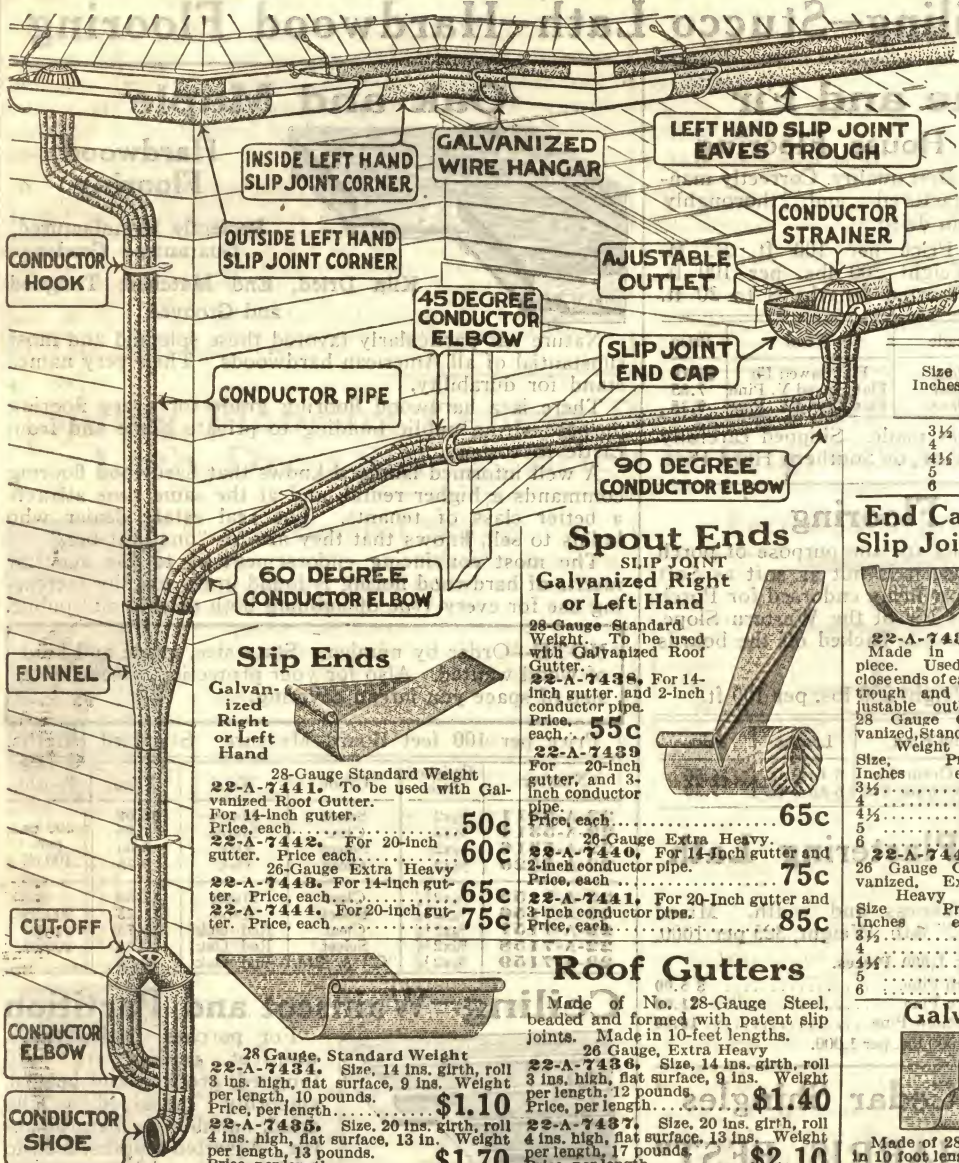
Furnished in random lengths. Tongued and grooved or square edged subject to stock on hand. This material is usually offered in No. 3 grade. We have not found this grade satisfactory therefore we are offering No. 2 and better grade which means No. 1 and 2 mixed. Weight, 165 lbs. per 100 ft.

22-A-7139. 1x6 inch. Lengths, 4 to 16 feet. Per 100 feet, B. M. .... \$4.00





# Galvanized Eaves Trough



## Adjustable Outlet

Consists of about 8 inches of trough, with drop outlet soldered on bottom to connect to the conductor pipe.



Size Inches	For Conductor Pipe Size	22-A-745 28 gauge	22-A-746 26 gauge
3 1/2	2"	28c	35c
4	2"	30c	39c
4 1/2	3"	34c	40c
5	3"	35c	42c
6	3"	41c	51c

## Spout Ends

SLIP JOINT  
Galvanized Right or Left Hand

28-Gauge Standard Weight. To be used with Galvanized Roof Gutter.

22-A-7438. For 14-inch gutter, and 2-inch conductor pipe. Price, each... 55c

22-A-7439. For 20-inch gutter, and 3-inch conductor pipe. Price, each... 65c

22-A-7440. For 14-inch gutter and 2-inch conductor pipe. Price, each... 75c

22-A-7441. For 20-inch gutter and 3-inch conductor pipe. Price, each... 85c



## Slip Ends

Galvanized Right or Left Hand

28-Gauge Standard Weight. To be used with Galvanized Roof Gutter. For 14-inch gutter. Price, each... 50c

22-A-7442. For 20-inch gutter. Price, each... 60c

22-A-7443. For 14-inch gutter. Price, each... 65c

22-A-7444. For 20-inch gutter. Price, each... 75c



## Roof Gutters

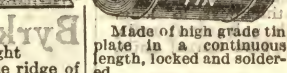
Made of No. 28-Gauge Steel, beaded and formed with patent slip joints. Made in 10-foot lengths.

28 Gauge, Standard Weight. 22-A-7434. Size, 14 ins. girth, roll 3 ins. high, flat surface, 9 ins. Weight per length, 10 pounds. Price, per length... \$1.10

22-A-7435. Size, 20 ins. girth, roll 4 ins. high, flat surface, 13 ins. Weight per length, 13 pounds. Price, per length... \$1.70

26 Gauge, Extra Heavy. 22-A-7436. Size, 14 ins. girth, roll 3 ins. high, flat surface, 9 ins. Weight per length, 12 pounds. Price, per length... \$1.40

22-A-7437. Size, 20 ins. girth, roll 4 ins. high, flat surface, 13 ins. Weight per length, 17 pounds. Price, per length... \$2.10



## End Cap Galvanized Corner Mitre Slip Joint



22-A-743. Made in one piece. Used to close ends of eaves trough and adjustable outlets.

28 Gauge Galvanized, Standard Weight. Price, each... 10c

22-A-7410. Inside corner, left hand. Price, each... 12c

22-A-7411. Inside corner, right hand. Price, each... 13c

22-A-7412. Outside corner, left hand. Price, each... 14c

22-A-7413. Outside corner, right hand. Price, each... 15c

22-A-7414. Inside corner, left hand. Price, each... 16c



These corners are made with both inside and outside bead. Be sure to order according to number.

28-Gauge Galvanized, Standard Weight. 22-A-747. Outside corner, right hand. Price, each... 25c

22-A-748. Outside corner, left hand. Price, each... 27c

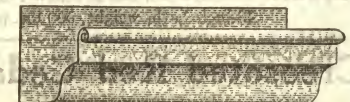
22-A-749. Inside corner, right hand. Price, each... 35c

22-A-750. Inside corner, left hand. Price, each... 40c

22-A-751. Outside corner, right hand. Price, each... 45c

22-A-752. Outside corner, left hand. Price, each... 52c

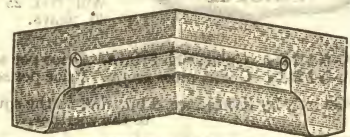
## Galvanized Box Gutters



Made of 28-Gauge Galvanized Steel and furnished in 10 foot lengths, both ends open.

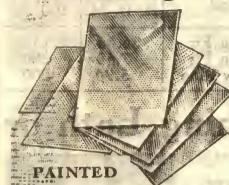
Number	Girth	Wt. per 100 ft. Length	Price, per 100 ft.
22-A-7417	18"	72 lbs.	\$1.10
22-A-7418	18"	96 lbs.	1.30
22-A-7419	18"	108 lbs.	1.50
22-A-7420	20"	120 lbs.	1.70
22-A-7422	18"	72 lbs.	\$1.40
22-A-7423	18"	96 lbs.	1.60
22-A-7424	18"	108 lbs.	1.80
22-A-7425	20"	136 lbs.	2.10

## Box Gutter Mitres



Number	Girth	Wt. per 100 ft. Length	Price, per 100 ft.
22-A-7426	13 in. Girth.	Price, each... 35c	
22-A-7427	15 in. Girth.	Price, each... 45c	
22-A-7428	18 in. Girth.	Price, each... 55c	
22-A-7429	20 in. Girth.	Price, each... 65c	
22-A-7430	13 in. Girth.	Price, each... 50c	
22-A-7431	15 in. Girth.	Price, each... 60c	
22-A-7432	18 in. Girth.	Price, each... 70c	
22-A-7433	20 in. Girth.	Price, each... 80c	

## Tin Shingles



Made of roofing tin. Used for making tight joints around chimneys and roof hip finish.

22-A-7527. Tin Shingles. Size, 3 1/2 x 7 inches. Weight, per 100 pieces, 5 1/2 lbs. Price, per 100... \$0.02

22-A-7528. Tin Shingles. Size, 5 x 7 inches. Weight, per 100 pieces, 11 1/2 lbs. Price, per 100... \$0.03

22-A-7529. Flashings. Size, 7 x 10 inches. Weight, per 100 pieces, 20 lbs. Price, per 100... \$0.05

22-A-7530. Flashings. Size, 7 x 10 inches. Weight, per 100 pieces, 20 lbs. Price, per 100... \$0.05

## Ridge Roll—Plain Apron



10 Foot Lengths. 28-Gauge Standard Weight. A neat water-proof cap for the ridge of roofs. It is made in 10 foot lengths and can be used on shingles or any other kind of roofing. We do not furnish cut lengths.

22-A-7522. Size, 14 ins. girth, roll 3 ins. high, flat surface, 9 ins. Weight per length, 10 pounds. Price, per length... \$1.10

22-A-7523. Size, 20 ins. girth, roll 4 ins. high, flat surface, 13 ins. Weight per length, 13 pounds. Price, per length... \$1.70

26-Gauge, Extra Heavy. 22-A-7524. Size, 14 ins. girth, roll 3 ins. high, flat surface, 9 ins. Weight per length, 12 pounds. Price, per length... \$1.40

22-A-7525. Size, 20 ins. girth, roll 4 ins. high, flat surface, 13 ins. Weight per length, 17 pounds. Price, per length... \$2.10

22-A-7526. Size, 14 ins. girth, roll 3 ins. high, flat surface, 9 ins. Weight per length, 10 pounds. Price, per length... \$1.10

## Valley Tin



Made of high grade tin plate in a continuous length, locked and soldered.

22-A-7445. Width, 14 inches, weight, per roll, 30 lbs. Price, per foot... \$0.10

22-A-7446. Width, 20 inches, weight, per roll, 40 lbs. Price, per foot... \$0.13

22-A-7447. Width, 14 inches, weight, per roll, 30 lbs. Price, per foot... \$0.12

22-A-7448. Width, 20 inches, weight, per roll, 40 lbs. Price, per foot... \$0.16

22-A-7449. Width, 14 inches, weight, per roll, 30 lbs. Price, per foot... \$0.10



# CONDUCTOR PIPE AND TRIMMINGS

## Galvanized Wire Hangers

22-A-7415

Made of galvanized wire, and is the most simple and satisfactory hanger on the market.



Size, inches.... 3 1/2 4 4 1/2 5 6  
Price, doz.... 34c 35c 38c 40c 42c

## Conductor Hooks



22-A-759, Galvanized Conductor Hooks for Corrugated Conductor.

Size, Inches	Price per doz. for wood	Price per doz. for brick
2	\$0.42	\$0.48
3	.52	.60
4	.71	.89
5	1.05	1.30
6	1.26	1.58

## Conductor Elbows

Galvanized Corrugated



45 Degree 60 Degree 90 Degree  
22-A-753, 28-Gauge  
Size, Inches Price, Ea.  
2 ..... \$0.18  
3 ..... .21  
4 ..... .35  
5 ..... .70  
6 ..... .88

22-A-754, 26-Gauge

Size, Inches Price, Ea.  
2 ..... \$0.28  
3 ..... .31  
4 ..... .55  
5 ..... 1.00  
6 ..... 1.35

## Roof Ventilator

Galvanized



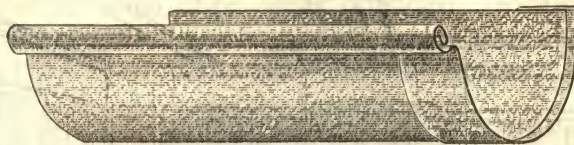
For removing smoke, dust, impure air from halls, churches, schools, factories, stables, etc.; prevents down drafts and improves smoky chimneys.

22-A-7515

Size	Wt. about	Price
4-in.	2 lbs.	\$3.80
6-in.	4 lbs.	4.50
7-in.	5 lbs.	5.20
8-in.	8 lbs.	5.80
9-in.	8 1/2 lbs.	6.40
10-in.	9 lbs.	8.00
12-in.	12 lbs.	9.50

## Galvanized Eave Trough

Improved Slip Joint

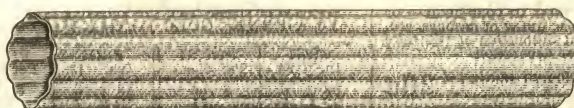


Most convenient Eave Trough. Made of heavily galvanized steel sheets. Each length has an improved slip joint at one end, so that the lengths can quickly and easily be put together without soldering. Water-tight joints.

When ordering be sure and state whether right or left hand trough is wanted. Right hand trough discharges water at the right hand end of the trough; left hand trough discharges the water at the left hand end. In 10-foot lengths. We do not supply cut lengths.

Size, Inches	No. 22-A-741 28-Gauge Standard		No. 22-A-742 26-Gauge Extra heavy	
	Weight	10-Foot Length	Weight	10-Foot Length
3 1/2	4 lbs.	45c	5 1/2 lbs.	62c
4	5 "	51c	6 "	67c
4 1/2	5 1/2 "	57c	6 1/2 "	73c
5	6 "	60c	7 1/2 "	76c
6	7 "	75c	9 "	94c

## Galvanized Conductor Pipe



This Conductor Pipe is made of strictly first quality heavily galvanized sheets. Nothing better, stronger or more durable in this gauge of pipe can be had. It is made in 10-foot lengths without cross seams. Will not burst when full of ice. We furnish it in full 10-foot lengths only.

Size, Inches	No. 22-A-751 28-Gauge Standard		No. 22-A-752 26-Gauge Extra heavy	
	Weight	10-Foot Length	Weight	10-Foot Length
2	5 lbs.	\$0.51	6 lbs.	\$0.71
3	6 "	.60	7 1/2 "	.79
4	8 "	.79	10 "	1.05
5	10 "	1.00	12 1/2 "	1.27
6	11 1/2 "	1.18	14 "	1.50

Size of Conductor to Use with Eave Trough.

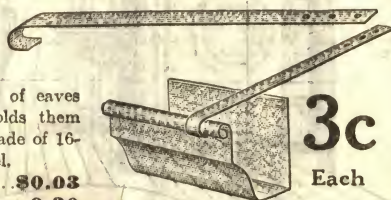
For Eave Trough..... 3 1/2" 4" 4 1/2" 5" 6"  
Use Conductor Pipe..... 2" 2" 3" 3" 4"

## Box Gutter Strap Hanger

22-A-7416. Most convenient time-saving hangers for box or roof gutters.

Makes a simple job of eaves trough hanging. Holds them solid and secure. Made of 16-gauge galvanized steel.

Price, each..... \$0.03  
Price per doz..... 0.30



## Metal Hip Shingles



These shingles are much more ornamental than the wood hip caps and are easily laid. Size of shingles, 4x9 inches.

22-A-7531, Painted tin hip shingles. Size, 4 inch by 9 inch.  
Price, each \$0.03 1/2  
Price per 100 3.00

22-A-7532, Galvanized hip shingles. Size, 4 inch by 9 inch.  
Price, each..... \$0.04 1/2  
Price per 100..... 4.00

## Conductor Strainer

22-A-7514, Galvanized Wire Conductor Strainers. To be placed in the outlet of eave trough, preventing leaves, etc., from stopping up the conductor. Size given indicates the size of the strainers will fit.



Size, Inches	Price, Each
2	\$0.11
3	.14
4	.22
5	.34
6	.44

## Strap Hangers for Eave Trough

22-A-9348,

Quickly attached. Makes gutter hanging an easy job. Made of heavily galvanized strap iron.



Size, inches.... 4 4 1/2 5 6  
Per Dozen.... 80c 85c 90c 95c

## Conductor Fasteners

Suitable for wood or brick buildings. Made of heavily galvanized wire. Keeps the pipe from coming in contact with the building, making it possible to paint behind the conductor pipe, preventing the moisture from rotting the siding and corroding the pipe.



22-A-758  
Size of Conductor Pipe, In. 2 3 4 5 6  
Gauge of wire.. 15 15 11 10 9  
Price, per doz.. 45c 55c 65c 75c 85c

## Conductor Shoes

(Galvanized Corrugated)

Made of galvanized steel.

28-Gauge Standard

22-A-756.

Size, Inches	Price, Each
2	\$0.23
3	.28
4	.43
5	.86
6	1.05



26-GAUGE EXTRA HEAVY

22-A-757.  
Size, Inches Price, Each  
2 ..... \$0.36  
3 ..... .44  
4 ..... .70  
5 ..... 1.40  
6 ..... 1.65

## Conductor Funnel

22-A-7512, Used for running two conductors into one outlet. Size given is size of lower spout.

Size, In.	Price, Each	Size, In.	Price, Each
2	\$0.52	5	\$0.90
3	.62	6	1.05
4	.70		

26-Gauge.  
Size, In. Price, Each  
2 \$0.70 5 \$1.20  
3 .80 6 1.45  
4 .95



## Rain Water Cut-Off

For Corrugated Conductor Pipe

28-Gauge Galvanized—Standard Gauge.

22-A-7510

Size, Inch	Price, Each
2	\$0.63
3	.70
4	.90
5	1.60
6	2.10

22-A-7511, 26-Gauge Galvanized—Extra Heavy.

Size, In.	Price, Ea.
2	\$0.90
3	1.00
4	1.40
5	2.50
6	3.00



## Block Finials

Galvanized

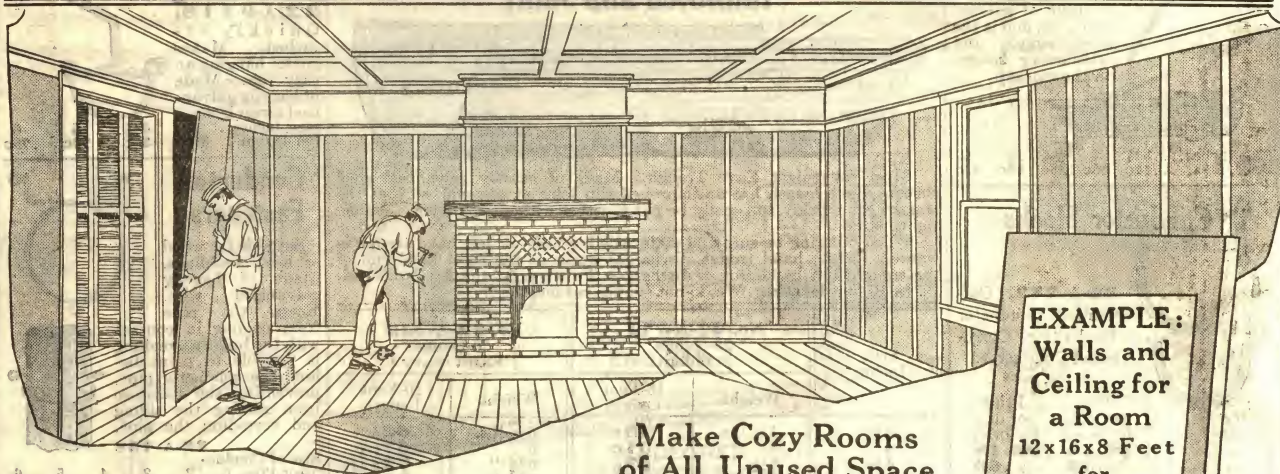
22-A-7530.

Used in connection with ridge roll. 1 1/2 and 2 inch ridge roll.  
Price, each..... 50c





# Gold Medal Wall Board



**Make Cozy Rooms  
of All Unused Space**

Gold Medal Wall Board is brand new standard-weight Pulp stock—a Clean sheet, nothing to break—can be handled by one man—no cracks to fill—no piecing or patching. Seams can be paneled with wall board strips or covered with wall board tape.

Can be used for walls and ceiling in every room in your home—for partitions, wainscoting, sun and sleeping porches, lining of garages, etc. The sheets are rosin sized, can be used without decoration or will take paper, calcimine, varnish or any other form of decoration.

- 13-A-9307.** Gummed tape for covering wallboard seams, 1½ inches wide in 100 ft. rolls (40¢ stock)..... **20c**  
**10-A-8291.** Best quality, clear fir or pine panel strips, 5-16 inch thick, ¾ inch wide. Per foot..... **1c**  
**2-A-9306.** Flat head 3 penny nails for wallboard. One pound to one square. Price, per pound..... **7c**

Select your sheets from the following table:  
**13-A-9306. GOLD MEDAL WALLBOARD**

SIZE In. x Ft.	PRICE Per Sheet	SIZE Ins. ft.	PRICE Per Sheet
32 x 6	\$ .60	48 x 6	\$ .90
32 x 7	.71	48 x 7	1.05
32 x 8	.79	48 x 8	1.20
32 x 9	.90	48 x 9	1.50
32 x 10	1.01	48 x 10	1.65
32 x 12	1.20	48 x 12	1.80

**60c  
to \$1.80  
per Sheet**

# Sheet Plaster Board

**"SMOOTHWALL"**  
 Sheet  
 Plaster Board  
 A-1  
 Quality  
 ⅜ Inch Thick

**Ask for FREE SAMPLE!**

**Quick Clean  
Work  
Anyone Can Do  
It  
Fire Resisting  
Approved by  
Underwriters  
Ready to  
Decorate  
In Every Way  
Will Not Crack  
A Permanent  
Better Wall**



Best quality Sheet Plaster Board, in convenient size sheets. "SMOOTHWALL" has a heavy coat of cardboard on each side with a filling in between of a fire resisting rock-like plaster composition. Easily applied by anyone who can drive a nail. Can be cut with a saw or scored with a knife—a downward pressure will break it with a straight edge.

For either old or new walls, partitions, and ceilings there is nothing better. A wonderful insulator—makes your building cooler in summer and warmer in winter because of the cardboard covering.

Will not crack or warp. If additional openings are to be made in wall, can easily be sawed out and replaced without the dirt and muss of lath and plaster. "SMOOTHWALL" Sheet Plaster is ⅜ inch thick. The smaller size sheets are recommended to take the place of lath and plaster—they are economical and if an extraordinary good job is wanted, can be covered with a skim coat of any kind of good prepared plaster and a ¼ inch finish coat, making a smooth, perfect seamless wall. This, however, is not necessary except in fine work because we furnish FREE with all orders sufficient crack filler to fill the joints smoothly. You can paint or wallpaper direct over it with satisfactory results. Figure one pound of three penny fine lath nails for each 100 square feet.

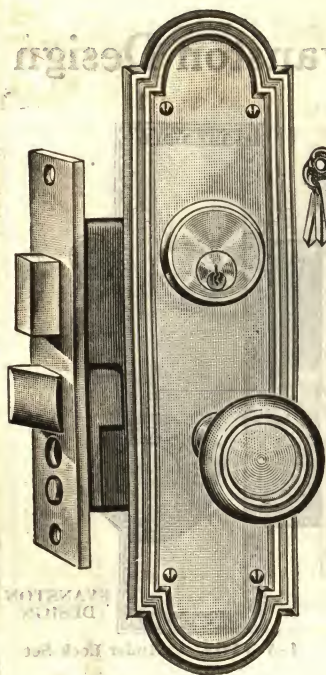
**Prices  
are per  
sheet crated in  
strong wooden  
crates, 6 or more sheets to a crate—  
NOT sold in less than 1 crate lots.**

Size Inches	Thickness Inches	Price Per Sheet	Shipping Wt., lbs.	Size Inches	Thickness Inches	Price Per Sheet	Shipping Wt., lbs.
32x48	⅜	\$0.45	21	32x108	⅜	\$1.10	48
36x48	⅜	.50	24	48x84	⅜	1.25	48
32x72	⅜	.73	32	48x96	⅜	1.66	64
32x84	⅜	.85	37	48x108	⅜	1.87	72
32x96	⅜	.95	43	48x120	⅜	2.08	80



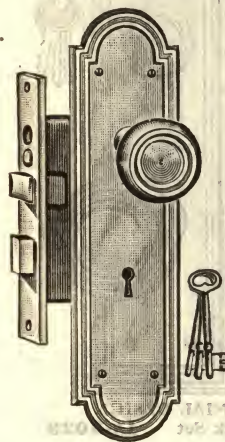
# Ardmore Design Lock Set

Wrought bronze and wrought steel in beautiful French sanded finish with high spots polished. Material and workmanship of the highest quality. These lock sets are recommended for the most elaborate and beautiful homes.



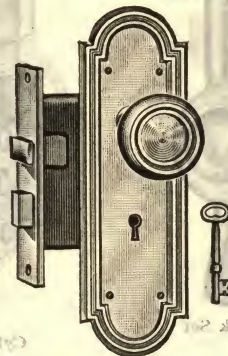
Cylinder Lock Set

**4-A-3364.** Genuine wrought bronze, 5-pin tumbler, non-pickable lock. Escutcheon  $11\frac{1}{2}$  inches long, 3 inches wide. Flat face seamless knobs,  $2\frac{1}{4}$  inches in diameter. Cylinder escutcheon, knobs and all parts genuine wrought bronze. Reversible for right or left door,  $1\frac{1}{2}$  to  $2\frac{1}{4}$  inches thick. Furnished with 3 keys and screws to match. French sanded finish.  
Price.....**\$11.00**



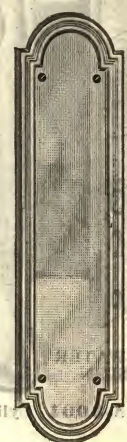
Bit Key Lock Sets

**4-A-3365.** Escutcheons, knobs and all parts genuine wrought bronze. Escutcheon plate,  $8\frac{1}{4} \times 2\frac{1}{4}$  inches. Flat face, seamless knob,  $2\frac{1}{4}$  inches in diameter. Reversible for right or left hand door. Furnished with 3 keys and screws to match lock set. French sanded finish.  
Price.....**\$4.50**  
**4-A-3366.** Wrought steel, same as described above, except that escutcheon, knobs and all parts are of wrought steel plated. French sanded finish.  
Price.....**\$3.00**



Inside Door Lock Set

**4-A-3367.** Escutcheon, knobs and all parts of genuine wrought bronze. Escutcheon,  $8\frac{1}{4} \times 2\frac{1}{4}$  inches. Flat face, seamless knob,  $2\frac{1}{4}$  inches in diameter. Reversible for right or left doors. Furnished with one key and screws to match. French sanded finish.  
Price.....**\$2.60**  
**4-A-3368.** Wrought steel same as described above, except furnished with plated wrought steel knob, escutcheon and trimmings.  
Price.....**\$1.25**



Push Plates

**4-A-3369.** Genuine wrought bronze push plate or swinging doors, French sanded finish. Furnished with screws to match. Plate size,  $11\frac{1}{4} \times 3$  ins.  
Price, each.....**\$1.50**

## Kenilworth Design Lock Set

Are of the broad beveled pattern. The simple design gives them the appearance of the heavy cast bronze lock set. These sets are French sanded finish. Finest material and workmanship.

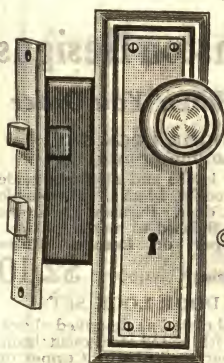


Push Plates

**4-A-3370.** Genuine wrought bronze push plate for swinging doors. French sanded finish. Furnished with screws to match. Plate size,  $11\frac{1}{4} \times 3$  inches.  
Price, each.....**\$1.40**

### Glass Push Plates

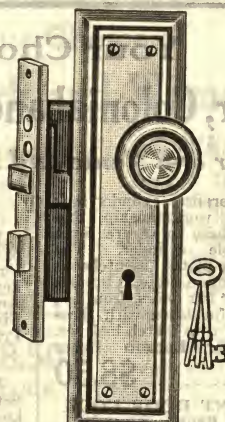
**4-A-3370-x.** Made of heavy plate glass, edges beveled; ground and smoothly finished; size  $8\frac{1}{2} \times 11$  inches. Two nickel-plated screws.  
Price, each.....**70c**



Inside Door Lock Set

**4-A-3371.** Escutcheon, knobs and all parts of genuine wrought bronze. Escutcheon,  $8\frac{1}{4} \times 2\frac{1}{4}$  inches. Flat face, seamless knob,  $2\frac{1}{4}$  inches in diameter. Reversible for right or left doors. Furnished with one key and screws to match. French sanded finish.  
Price.....**\$2.40**

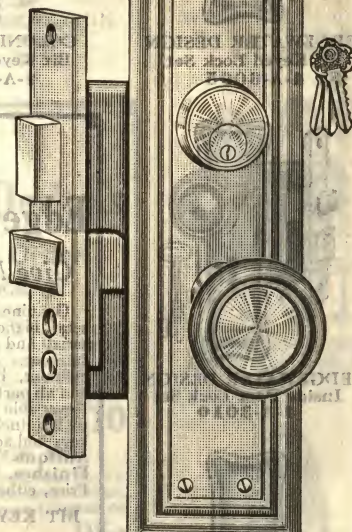
**4-A-3372.** Wrought steel plated as described above, except furnished with plated wrought steel knob, escutcheon and trimmings.  
Price.....**\$1.15**



Bit Keyed Lock Set

**4-A-3373.** Escutcheons, knobs and all parts genuine wrought bronze. Escutcheon plate,  $8\frac{1}{4} \times 2\frac{1}{4}$  ins. wide. Flat face, seamless knob,  $2\frac{1}{4}$  inches in diameter. Reversible for right or left door. Furnished with three keys and screws to match lock set. French sanded finish.  
Price.....**\$4.25**

**4-A-3374.** Wrought steel, same as described above, except that escutcheon, knobs and all parts are of wrought steel plated. French sanded finish.  
Price.....**\$2.75**

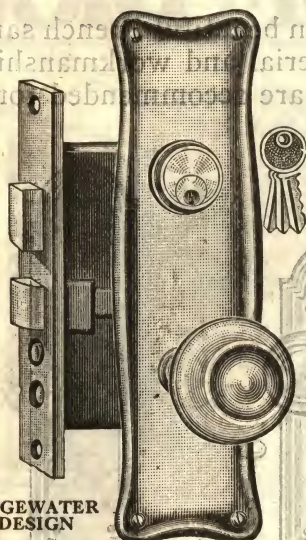


Cylinder Lock Set

**4-A-3375.** Genuine wrought bronze 5-pin tumbler, non-pickable lock. Escutcheon,  $11\frac{1}{2}$  inches long, 3 inches wide. Flat face seamless knobs,  $2\frac{1}{4}$  inches in diameter. Cylinder escutcheon, knobs and all parts genuine wrought bronze. Reversible for right or left door,  $1\frac{1}{2}$  to  $2\frac{1}{4}$  inches thick. Furnished with 3 keys and screws to match. French sanded finish.  
Price.....**\$10.25**

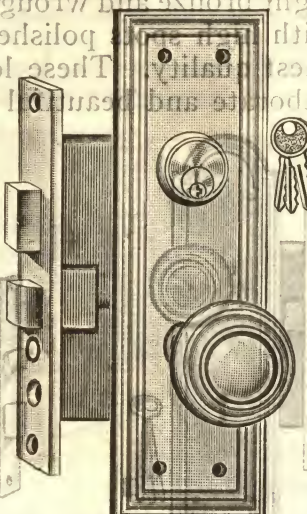


# Edgewater Design Colonial Design A Evanston Design

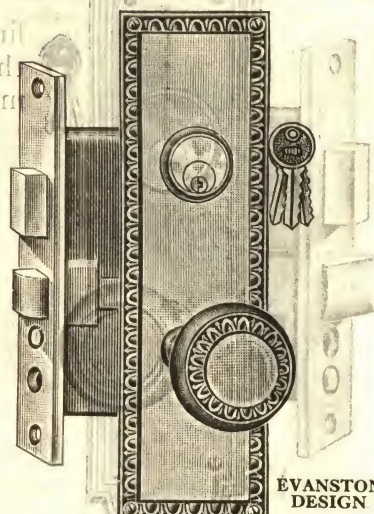


**EDGEWATER DESIGN**

**4-A-3001** Cylinder Lock Set

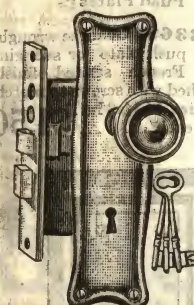


**COLONIAL DESIGN**  
Cylinder Lock Set **4-A-3029**

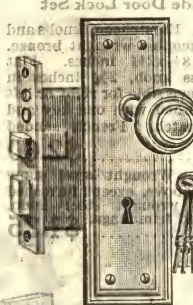


**EVANSTON DESIGN**

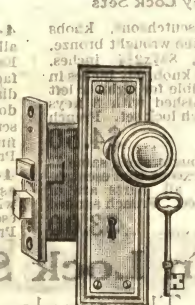
**4-A-3101** Cylinder Lock Set



**EDGEWATER DESIGN**  
Bit Keyed Lock Set  
**4-A-3005**



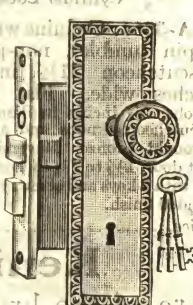
**COLONIAL DESIGN**  
Bit Keyed Lock Set  
**4-A-3033**



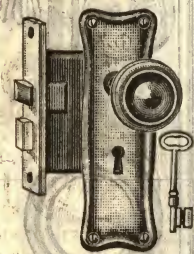
**COLONIAL DESIGN**  
Inside Door Lock Set  
**4-A-3045**



**COLONIAL DESIGN**  
Push Plate  
**4-A-3065**



**EVANSTON DESIGN**  
Bit Keyed Lock Set  
**4-A-3105**



**EDGEWATER DESIGN**  
Inside Door Lock Set  
**4-A-3010**



**EDGEWATER DESIGN**  
Push Plate  
**4-A-3021**

## Your Choice of Edgewater, Colonial and Evanston Designs

*Give Number and Name and Finish When You Order*

Genuine wrought bronze, cylinder lock sets, highest quality workmanship, material and finish. These locks are 5-pin tumbler, non-pickable cylinder. The cylinder, bolts, strike-plates, escutcheons and all parts are of genuine wrought bronze. Reversible for right or left doors, from 1 1/4 to 2 1/4 inches thick, furnished with three keys and screws finished to match lock set. Antique Copper or Lemon Brass Finishes.  
Price, either design..... **\$8.50**

### BIT KEYED FRONT DOOR LOCK Genuine Bronze

Escutcheons, knobs bolts and all parts made of genuine wrought bronze. Reversible for right or left door. Furnished with three keys and screws finished to match lock sets. Antique Copper or Lemon Brass Finishes.  
Price, either design..... **\$3.50**

### BIT KEYED FRONT DOOR LOCK

Wrought steel plated lock set as described above except furnished with plated steel escutcheons, knobs, and all parts. Antique Copper or Lemon Brass Finishes.  
Price, either design..... **\$2.25**

### INSIDE DOOR LOCK SET Genuine Bronze

Escutcheons, knobs and all parts made of genuine wrought bronze. Reversible for right or left door. Furnished with one key and screws finished to match lock set. Antique Copper or Lemon Brass Finishes.  
Price, either design..... **\$2.10**

### INSIDE DOOR LOCK SET

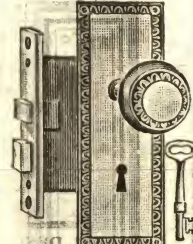
Wrought steel plated as described above. Set furnished with plated steel escutcheon, knobs and all parts. Antique Copper or Lemon Brass Finishes.  
Price, either design..... **.95c**

### PUSH PLATES FOR SWING- ING DOORS

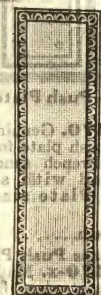
Genuine Wrought bronze. Furnished with screws to match. Antique Copper or Lemon Brass Finishes.  
Price, either design, each..... **.70c**

### DOOR BELLS

Genuine wrought-bronze plate, size 4x3 1/4 nickel plated bell, metal gong. Antique Copper or Lemon Brass Finishes.  
Price, either design..... **.90c**



**EVANSTON DESIGN**  
Inside Door Lock Set  
**4-A-3117**



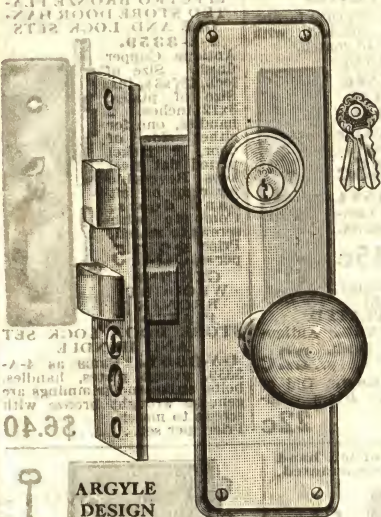
**EVANSTON DESIGN**  
Push Plate  
**4-A-3137**



## Argyle Design

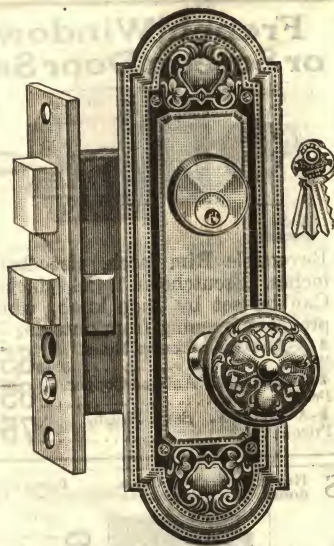
## Oak Park Design

## Wilmette Design

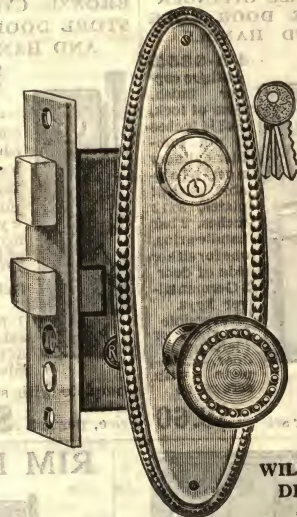


ARGYLE  
DESIGN

4-A-3301. Cylinder Lock Set

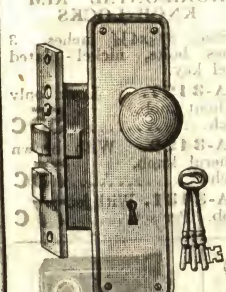


OAK PARK DESIGN  
Cylinder Lock Set  
4-A-3245

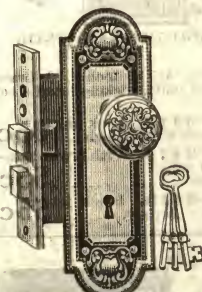


WILMETTE  
DESIGN

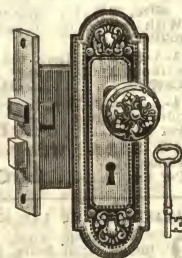
4-A-3201. Cylinder Lock Set



ARGYLE DESIGN  
Bit Keyed Lock Set  
4-A-3305



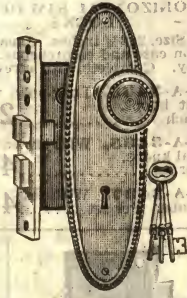
OAK PARK DESIGN  
Bit Keyed Lock Set  
4-A-3249



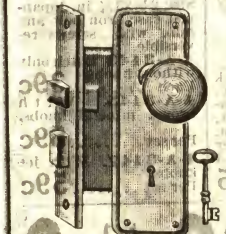
OAK PARK DESIGN  
Inside Door Lock Set  
4-A-3261



OAK PARK DESIGN  
Push Plate  
4-A-3281



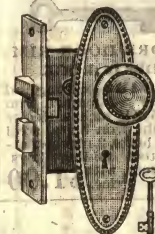
WILMETTE DESIGN  
Bit Keyed Lock Set  
4-A-3205



ARGYLE DESIGN  
Inside Door Lock Set  
4-A-3317



ARGYLE DESIGN  
Push Plate  
4-A-3337



WILMETTE DESIGN  
Inside Door Lock Set  
4-A-3217



WILMETTE DESIGN  
Push Plate  
4-A-3237

### Your Choice of Argyle, Oak Park and Wilmette Designs

Give Number, Name and Finish When You Order

Genuine wrought bronze, Cylinder Lock Sets, highest quality workmanship, material and finish. These locks are 5-pin tumbler, non-pickable cylinder. The cylinder, bolts, strike-plates, escutcheons and all parts are of genuine wrought bronze. Reversible for right or left doors, from 1½ to 2¼ inches thick furnished with three keys and screws, finished to match lock set. Antique Copper or Lemon Brass finish.  
Price.....\$8.50

#### BIT KEYED FRONT DOOR LOCK Genuine Bronze

Escutcheons, knobs, bolts and all parts made of genuine wrought bronze. Reversible for right or left door. Furnished with three keys and screws finished to match lock sets. Antique Copper or Lemon Brass finish.  
Price.....\$3.50

#### BIT KEYED FRONT DOOR LOCK

Wrought steel plated lock set as described above except furnished with plated steel escutcheons, knobs, and all parts. Antique Copper or Lemon Brass finish.  
Price.....\$2.25

#### INSIDE DOOR LOCK SET Genuine Bronze

Escutcheons, knobs and all parts made of genuine wrought bronze. Reversible for right or left door. Furnished with one key and screws finished to match lock set. Antique Copper or Lemon Brass finish.  
Price.....\$2.10

#### INSIDE DOOR LOCK SET

Wrought steel plated as described above. Set furnished with plated steel escutcheons, knobs and all parts. Antique Copper or Lemon Brass finish.  
Price.....95c

#### PUSH PLATES FOR SWINGING DOORS

Genuine wrought bronze. Furnished with screw to match. Antique Copper or Lemon Brass finish.  
Price.....70c

#### DOOR BELLS

Genuine wrought bronze plate, size 4x3½ nickel plated bell, metal gong. Antique Copper or Lemon Brass finish.  
Price.....90c



# Big Savings in Dependable Hardware for Builders

GENUINE WROUGHT  
BRONZE CYLINDER  
STORE DOOR LOCK  
AND HANDLE



match.  
Price, per set

**\$9.60**

GENUINE WROUGHT  
BRONZE CYLINDER  
STORE DOOR LOCK  
AND HANDLE



Complete with screws to match.  
Price, per set

**\$9.95**

## French Window or Screen Door Set



Reversible Rim latch, size 2x2 3/4 inches. Escutcheon, 1 1/2 x 4 1/2 inches. Can be set by slide knob, which prevents opening from outside.

4-A-15012. Lemon Brass. **65c**  
4-A-15013. Antique Copper **65c**  
4-A-15014. Sand Finish. **75c**

DOOR PUSH  
PLATES

Size, 2 1/4 x 9 1/2 inches, finely finished with screws to match.

GENUINE  
BRONZE  
METAL

4-A-3583  
Antique Cop-  
per finish.

Each **45c**

4-A-3584  
Old or Lem-  
on Brass fin-  
ish.

Each **45c**

WROUGHT  
STEEL  
PLATED

4-A-3585. Antique  
Copper finish.

Each **22c**

4-A-3586. Old or  
Lemon Brass fin-  
ish.

Each **22c**

WROUGHT STEEL  
ELECTRO BRONZE PLA-  
TED STORE DOOR HAN-  
DLE AND LOCK SETS

4-A-3359.

Antique Copper finish. Size of lock, 4 1/2 x 3 1/2 ins. Size of plates, 3x12 inches. 2 handles, one for either side of door. 2 nickel plated flat steel keys. Reversible for right or left hand doors. Complete with screws to match. Price, per set **\$3.15**

GENUINE  
WROUGHT  
BRONZE  
PLATED

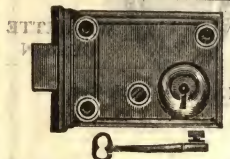
STORE DOOR LOCK SET  
AND HANDLE

4-A-3361. Same as 4-A-3359, except plates, handles, bolts, strike and trimmings are genuine wrought bronze with screws to match. Price, per set **\$6.40**

## RIM LOCKS

Heavy Japanned Cases.

Reversible for right or left hand doors. Packed complete with screws. Each lock fully warranted.



HORIZONTAL RIM DEAD  
LOCKS

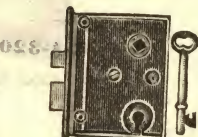
Size, 2x2 1/2 inches. Japanned iron case and escutcheons, iron key. Complete with screws.

4-A-3433. Lock only, with-  
out knobs. Each **24c**

4-A-3435. With brown min-  
eral knobs. Per set **44c**

4-A-3437. With jet **46c**

knobs. Per set



UPRIGHT RIM KNOB  
LOCK

Size, 4x3 1/2 inches, with stop.  
iron bolts and turned malleable  
key.

4-A-3409. Lock only **25c**

without knob. Each

4-A-3411. With brown min-  
eral knob. Per set **45c**

4-A-3413. With jet **45c**

knob. Per set



HORIZONTAL RIM  
KNOB LOCK

Size, 3 1/4 x 4 1/4 inches.  
With iron bolts, turned  
malleable key.

4-A-3421. Lock only **25c**

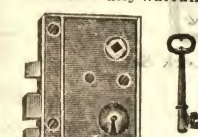
without knob. Each

4-A-3423. With brown **45c**

mineral knobs. Per set

4-A-3425. With jet **45c**

knobs. Per set



UPRIGHT RIM KNOB  
LOCK

Size, 4x3 1/2 inches, 3 brass  
plated bolts, nickel-plated steel  
key.

4-A-3415. Lock only **35c**

without knob. Each

4-A-3417. With brown min-  
eral knobs. Per set **55c**

4-A-3419. Black jet **55c**

knob. Per set



HORIZONTAL RIM  
KNOB LOCKS

Size, 3 1/4 x 4 1/4 inches. 3  
brass bolts, nickel-plated  
steel key.

4-A-3427. Lock, only **55c**

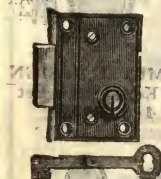
without knob. Each

4-A-3429. With brown **75c**

mineral knob. Each

4-A-3431. With jet **77c**

knob. Per set



STORE DOOR RIM  
DEAD LOCK

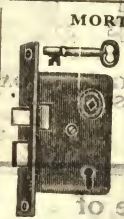
4-A-3439. Strong and  
durable. Japanned iron  
case, 5 1/2 x 3 1/2 inches. Heavy  
wrought iron bolts, steel  
inside bolts, 2 nickel-plat-  
ed, steel folding keys.  
Complete, with **\$1.00**  
screws. Price,



TUBULAR RIM NIGHT  
LATCH

4-A-3449. Japanned iron  
case, sizes 3 1/4 x 2 1/4 inches.  
For doors up to 1 3/4 inches  
thick. Japanned case, iron  
bolts, nickel-plated flat steel  
keys, bronze metal escuthe-  
ons, beveled strike with  
screws reversible.

Price, **75c**



MORTISE DOOR LOCKS

Japanned case, 3 1/4 x 3 1/4  
inches, iron bolts, lacquered  
front and strike, turned key  
japanned, escutcheon with  
screws.

4-A-3453. Locks only, **37c**

without knobs. Each

4-A-3455. With brown **57c**

mineral knobs. Each

4-A-3457. With **59c**

jet knobs. Each

Japanned case, 3 1/4 x 3 1/4 inches. Brass front  
and bolts, plated strike, nickel plated steel key.  
Japanned escutcheon with screws.

4-A-3459. Locks only without **85c**

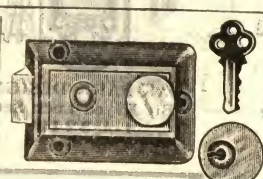
knobs. Each

4-A-3461. With brown mineral **\$1.05**

knobs. Per set

4-A-3463. With jet knobs. **\$1.07**

Per set



CYLINDER RIM NIGHT  
LATCH

4-A-3489. A durable lock  
which affords the utmost security.  
Size, 3 1/4 x 2 1/4 inches, with gen-  
uine bronze metal bolts, cylinder,  
escutcheon, knob and stop.

3 Yale pattern German silver  
keys, suitable for doors up to 3  
inches thick.

Price, **\$2.25**



HORIZONTAL RIM  
KNOB LATCHES

Size 2 1/4 x 3 1/4 in. Japanned  
case, iron bolt any  
hub, with screws re-  
versible.

4-A-3443. Latch only **39c**

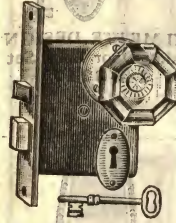
without knobs. Each

4-A-3445. With **59c**

brown mineral knobs. Per set

4-A-3447. With jet **59c**

knobs. Per set



4-A-1215. Glass Knob  
Inside Lock Set, consid-  
ered the most beautiful  
lock set for inside doors;  
appropriate for bedroom  
doors. Mortise lock,  
escutcheon and plate.  
Finished in antique Copper.  
Lemon Brass or Nickel-plat-  
ed. Octagon shape. Crystal  
Glass Knob furnished with  
key and screws. Price, **\$2.25**

4-A-1216. Lock Set **\$2.50**

same as above, nickel-  
plated finish. Price



4-A-1217. Glass  
Knob Set. Opal  
Finish. Popular for  
bathroom doors,  
bronze metal shank  
and rosettes. Ros-  
ette finished in  
Antique Copper or  
Lemon Brass.

Price, **\$2.00**

Each

4-A-1218. Nickel-  
plated Knob Set as  
above.

Price, **\$2.25**

Each

## Mortise Door Latches

Japanned Iron Case, 1 1/4 x 3 1/2 inches  
iron bolts, front and strike.

4-A-3167. With brown min-  
eral knobs. Each **40c**

4-A-3169. With jet knobs. **40c**

Per set

4-A-3165. Latch only. **18c**

Per set

Japanned Iron Cases, 1 1/4 x 3 1/2 inches Brass front, Bolt  
and strike.

4-A-3171. Latch only without knobs. Each, **33c**

4-A-3173. With brown mineral knobs. Per set **55c**

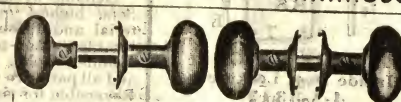
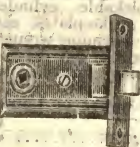
4-A-3175. With jet knobs. Per set **55c**

Per set

Glass Door Knobs with bronze metal shank and rosette.  
1/2 inch plain spindle. Rosette finished in Antique  
Copper or Lemon Brass. Price, each **\$1.75**

Nickel Plated Rosette **\$1.90**

Each



Rim Knobs

Mortise Knobs

Strictly first quality. Japanned shanks and roses.  
Knobs 2 1/4 inches in diameter with .5-16  
inch spindles. Price includes one pair knobs,  
complete with connecting spindle. Mineral  
knobs are brown mottled; porcelain knobs are  
white; jet knobs are black.

4-A-3177. Mineral knobs for rim **20c**

locks. Each

4-A-3179. Porcelain knobs for rim **20c**

locks. Each

4-A-3181. Jet knobs for rim locks. **20c**

Each

4-A-3183. Mineral knobs for mor-  
tise locks. Each **22c**

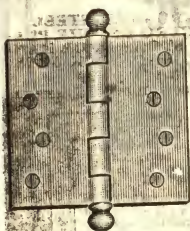
4-A-3185. Porcelain knobs for mor-  
tise locks. Each **22c**

4-A-3187. Jet knobs for mortise **22c**

locks. Each



# Every Needed Item in Select Builders' Hardware



**High Grade Electro-Plated Polished Wrought Steel Ball Tipped Butts**

Tipped Butts. Guaranteed to be the best finished wrought steel butts manufactured. Heavy, highly polished and finely finished. Furnished with screws to match.

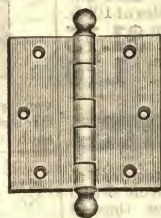
**4-A-3501.** Antique Copper, polished finish.  
**4-A-3503.** Lemon Brass Finish.

Inch. 2x2 2½x2½ 3x3 3½x3½ 4x4 4½x4½ 5x5  
Per pr. 58c 65c 67c 75c 85c \$1.05 \$1.57

**4-A-3502.** Sand finish, and  
**4-A-3504.** Nickel-Plated finish.

Inch. 2x2 2½x2½ 3x3 3½x3½ 4x4 4½x4½ 5x5  
Per pr. 70c 78c 80c 90c \$1.02 \$1.25 \$1.88

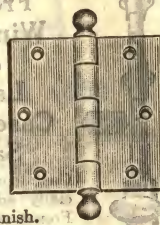
**Japanned Loose Pin Ball Tipped Steel Butts**



**4-A-3577.** Made of heavy steel, nicely Japanned. Screws not included.

Inch. 2½x2½ 3x3 3½x3½  
Per pair. 19c 21c 23c  
Inch. 4x4 4½x4½ 5x5  
Per pair. 30c 40c 57c

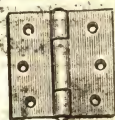
**Electro-Plated Planished Ball Tipped Butts**



Electro-Plated. Planished. Made of the same grade steel and generally sold as a polished butt. In every sense equal to the high grade butts, except not as finely finished. Furnished with screws to match.

**4-A-3505.** Antique Copper finish.  
**4-A-3507.** Lemon Brass finish.  
Inch. 2x2 2½x2½ 3x3 3½x3½ 4x4 4½x4½  
Per pair. 27c 28c 30c 34c 45c 66c  
**4-A-3506.** Sand finish, or  
**4-A-3508.** Nickel-Plated finish.  
Inch. 2x2 2½x2½ 3x3 3½x3½ 4x4 4½x4½  
Per pair. 32c 33c 40c 45c 55c 80c

**Electro-Plated Planished Steel Butts**



Heavy wrought steel, fast pin, finely finished, with screws to match.

**4-A-3581.** Antique Copper finish.

Inch. 2½x2½ 3x3 3½x3½  
Per pair. 24c 26c 30c

**Narrow Fast Pin Wrought Steel Butts**

**4-A-3579.** Plain, without screws. Strong, substantial butts. Made for all general purpose work. Plain finish.

**Bright Steel Butts**

Inch. 1½ 2 2½ 3  
Dozen pairs. 45c 64c 74c \$1.05

## The Harris Double Acting Ball Bearing Floor Hinge



We have overcome the objectionable features of most floor hinges that rest on the surface of the floor, made from heavy wrought steel; the spring from the best oil tempered spring steel; the floor plate from steel. When in practical use the entire weight of the door is carried on hardened steel ball bearings set in hardened cups.

**4-A-3545.** Antique Copper or **4-A-3547** Lemon Brass. \$1.30  
**4-A-3546.** Sand Finish or **4-A-3548.** Nickel-Plated Finish. \$1.60

**Cabinet Hinges**



For cabinets, china closets, etc. Wrought steel, beautifully finished, strong and durable. Fast pin. Size, 2½ x 2 inches. Packed with screws to match.

**4-A-3537.** Antique Copper finish and  
**4-A-3539.** Lemon Brass finish. each 15c  
**4-A-3538.** Sand finish or **4-A-3540.** Nickel-Plated finish. each 18c

**Gravity Hinge**



**CLARK'S GRAVITY BLIND HINGES**

**4-A-3441.** For frame houses. Throws blind 1½ inches from casing. Set includes four hinges and two fasteners. Flat head screws are to be used with these sets.

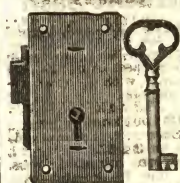
Per set. 25c

**Ornamental Electro-Plated Surface Butts**

Most artistic and the best appearing butt manufactured. Heavy and strongly made raised design, giving a massive appearance, beautifully finished. Exceedingly popular, economical and time saving. They are reversible for right or left hand doors. Size 1½ inch is used largely for Cupboards, Cabinets, Closets, etc. All sizes are loose pin with ball tip. Size given is length of joint. Packed with screws to match.

**4-A-3533.** Antique Copper finish.  
**4-A-3535.** Old or Lemon Brass finish.  
Size, inches. 2x2½ 1½ 3 3½ 4  
Price, per pair. 34c 18c 40c 45c 58c  
**4-A-3534.** Sand finish or **4-A-3536.** Nickel-Plated finish.  
Inch. 1½ 2x2½ 3 3½ 4  
Per pair. 20c 40c 48c 51c 66c

## Cabinet and Cupboard Hardware



**Cupboard Locks**

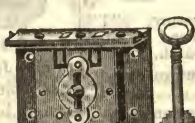
**4-A-3835.** Two. Secure Levers. For right or left hand door. Wide Bolt. Width, 1¾ inches; length, 3 inches. With one Fancy Bow Key. Each. 59c



**4-A-3831 DRAWER LOCKS**

2½ in. wide. Has two secure levers for wood ½ in. thick. One key.

Each. 60c  
**4-A-3832.** Brass Drawer Locks. Same as above. Each. 74c



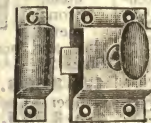
**4-A-3833 SELF-LOCKING CHEST LOCKS**

All Iron with Brass Keyhole Escutcheon. Double bitted keys. Width, 2½ inches. Each. 75c



**Door Latch**

**4-A-1264.** Metal Spring Door Catches for use on Book Cases, Medicine Cabinets, Linen Cabinets and China Cabinet Doors. Furnished with Metal Striking Plate. Finished in Antique Copper or Lemon Brass. Each. 17c



**CUPBOARD TURNS. Electro-Plated, Polished Wrought Steel**

**4-A-3596.** Antique Copper or **4-A-3597** Lemon Brass. each. 14c  
**4-A-3596½.** Nickel-Plated. 18c  
**4-A-3597½.** Sand finish. 18c



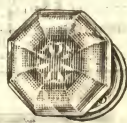
**Cupboard Catches**

Electro-Plated, Polished Wrought Steel with screws to match.

**4-A-3591.** Antique Copper  
**4-A-3592.** Lemon Brass. Each. 10c  
**4-A-3591½.** Nickel-Plated  
**4-A-3592½.** Sand finish. Each. 15c



**4-A-1230.** Metal Drawer Knobs. Size, 1 in. Used on Cabinets, Buffets, etc. Finished in Lemon Brass or Antique Copper. Price, each. 12c



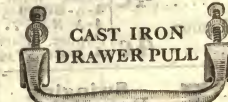
**4-A-1235.** Crystal Glass Knobs for Medicine Cases, Cabinets, etc. Made of clear glass, beautifully designed. Nickel-plated bolt and nut. ½ in. Each. 12c  
1¼ in. Each. 15c  
1½ in. Each. 18c  
1¾ in. Each. 20c



**CONCORD DROP HANDLE**

A neat and simply designed handle, suitable for buffets, sideboards and china closets. Unusually well made and nicely finished.

**4-A-15016.** Antique Copper. Price, each. 28c  
**4-A-15017.** Lemon Brass. Price, each. 28c



**CAST IRON DRAWER PULL**

A very popular drawer pull, owing to the fact that it is applied with machine screws through the wood from the inside, making it stationary. Is suitable for drawers, buffets, bookcases, China cases, etc.  
**4-A-15018.** Antique Copper. Price, each. 12c  
**4-A-15018½.** Nickel-Plated Finish. 16c  
**4-A-15019½.** Sand Finish. 16c  
**4-A-15019.** Lemon Brass. Price each. 12c



**WROUGHT STEEL DRAWER PULL**

Wrought steel electro plated with screws to match. Length 3¼ ins.  
**4-A-3623.** Antique Copper, polished finish. Each. 3c  
**4-A-3623½.** Nickel-Plated. 5c  
**4-A-3625.** Old or Lemon Brass finish. Each. 3c  
**4-A-3625½.** Sand finish. 5c



**METAL DRAWER PULL**

**4-A-3649.** Metal Drawer pulls used on cabinets, buffets and cupboards. Screws to match. Antique Copper or Lemon Brass finish. Price, each. 5c  
Per dozen. 50c



## Cremorne Bolts for French Windows or Large Casement Sash



Cast iron bolt specially adapted for French windows, or large casement sash and is furnished with universal strikes. Unless otherwise specified, will be furnished with rods for sash up to 8 feet high. This is the only bolt that will hold the sash in place and prevent warping.

4-A-15000. Antique Copper. Price each.....\$7.10  
4-A-15001. Lemon Brass. Price each.....\$7.10

### CAS T IRON PLATED

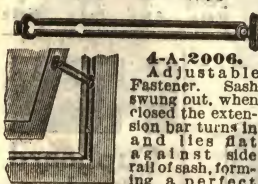
4-A-15002. Antique Copper. Price each.....\$4.75  
4-A-15003. Lemon Brass. Price each.....\$4.75

## Sash Hanger



4-A-2005. Storm Sash Hanger. Works like a hinge, one on each corner at top. Simplest contrivance ever devised. Per pair.....10c

## Sash Fastener



4-A-2006. Adjustable Fastener. Sash swung out, when closed the extension bar turns in and lies flat against side rail of sash, forming a perfect lock, prevents rattling, holds sash tight. Per pair.....16c  
4-A-2007. Set of Hangers and fasteners.....22c

## Steel Hasps



4-A-315. Size, 4 1/2 inches. Weight, about 6 oz. With screws. Price.....16c  
4-A-316. Size, 6 inches. Weight, about 10 oz. With screws. Price.....23c

## Electro Plated Wrought Steel Chain Bolts

Length, 6 inches, with 2 feet of chain. Screws to match.  
4-A-3511. Antique Copper.....57c  
4-A-3513. Lemon Brass.....57c

### FOOT BOLTS

Electro plated, wrought steel, spring release. Length, 6 inches. Screws to match.

4-A-3515. Antique Copper.....57c  
4-A-3517. Lemon Brass.....57c



## Sash Cord

Made of special selected long fiber cotton, firmly braided. The strongest and most durable manufactured. Put up in bundles of 100 ft.  
4-A-3617. No. 8, 3/4 inch diam. \$1.15  
5-A-3615. No. 7, 1/2 inch diam. 1.10  
Per bundle.....

## Sash Weights

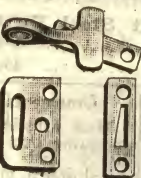
10-A-3613. Four weights are required to hold each window. Weights range from 3 to 9 pounds by half pounds. Heavier than 9 pounds graduate by pounds.  
Per pound.....3 1/2c



## Steel Sash Pulley

10-A-3619. Electrically welded and cannot break. Requires no screws. Simply bore three holes and drive the pulley in. Diameter of wheel, 2 inches.  
Per dozen.....75c

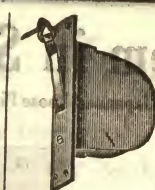
## Casement Window Fasteners



Cast iron plated; either right or left hand. Size of plate, 2 1/4 x 1/2 inch. Has a double strike for single sash opening in or pairs of sash opening out.

4-A-15006. Plate Metal, Lemon Brass finish. 24c

4-A-15007. Plate Metal, Antique Copper finish. 24c



## Spring Sash Balances

4-A-3637. Used instead of sash weights and cord. Easy to apply and do not require box frames. Springs are made of special tempered steel, heavily coppered to prevent rust. Warranted to retain their full strength. Set consists of four balances, two each for top and bottom sash.

Size No.	Weight of each Sash pounds	Hght. of each Sash ins.	Wght. per set of 4 Bal. lbs.	Price per Set of 4 Balances
6	4 to 6	34	6	\$2.10
8	6 to 8	34	6	2.30
10	8 to 10	34	7	2.55
12	10 to 12	44	7	2.75
14	12 to 14	44	7 1/2	3.00
16	14 to 16	44	7 1/2	3.20
18	16 to 18	48	9 1/2	3.40
20	18 to 20	48	10	3.55

## Reversible Casement Fasteners

Fasteners, Size, 1 1/2 x 1 1/2 inches. Screws to match.  
4-A-3587. Antique copper. 16c  
4-A-3587 1/2. N. P. 20c

4-A-3588. Sand Fin. 20c

4-A-3585. Lemon Brass. 16c  
Per set.....42c



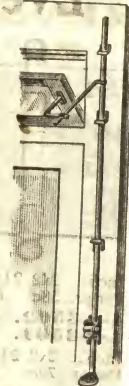
Polished Bronze Metal 4-A-3589. Antique Copper. 42c

4-A-3590. Lemon Brass. 42c  
Per set.....

## Transom Lifters

39c

Used in connection with transoms hinged at top, bottom or pivoted in the middle. By means of this lifter, transoms can be opened or locked at any angle affording ample means of ventilation. Strong and durable.



4-A-3519. Plain Coppered Finish. Length, feet.....3 4 5  
Price, each.....39c 40c 45c

4-A-3521. Electro Bronze Plated. Length, feet.....3 4 5  
Price, each.....43c 45c 55c

## Steel Sash Locks

Electro plated. The strongest and most durable sash lock made. Holds sash closely together, prevents rattling. Screws furnished.

4-A-3601. Antique Copper and Old or Lemon Brass. Each.....7c  
4-A-3602. N. P. 10c  
4-A-3603 1/2. Sand Fin. 10c



## Side Sash Locks



Holds as firm as a vise; prevents rattling of windows. Locks sash securely at any desired height. Convenient for perfect ventilation. Screws to match.  
4-A-3607. Antique Copper. Each.....15c  
4-A-3607 1/2. N. P. 20c  
4-A-3610. Sand Fin. 20c

## Sash Fasteners



Permits opening of windows at top, bottom or both top and bottom. Electro bronze plated. Screws to match.  
4-A-3639. Antique Copper. Each.....42c  
4-A-3611. Lemon Brass. Each.....42c

## Window Sets



For Attic and

## Basement Sash

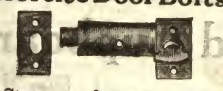
4-A-3619. For sash hinged at side. Set consists of one pair 2 1/2 inch wrought steel butts, one japanned steels sash fastener. With screws. Per set.....15c  
4-A-3621. For sash hinged at top. Set consists of one pair 2 1/2 inch wrought steel butts, one japanned steels sash fastener, one hook and eye. With screws. Per set.....16c

## Transom Catches

Electro plated wrought steel. Bronze metal ring and screws to match. Size, 2 1/4 x 1 1/2 inch.  
4-A-3553. Antique Copper. Each.....8c  
4-A-3555. Lemon Brass Finish. Each.....8c



## Mortise Door Bolts



Strong and secure. "T" handle thumb piece. Plates and screws to match.  
4-A-3615. Antique Copper. Each.....20c  
4-A-3617. Lemon Brass. Each.....20c

## Barrel Bolts



4-A-3635. Wrought steel, nicely japanned. Polished steel bolt and brass knob. Length, bolt, in. 4 5  
Each.....7c 8c 10c 11c

## Flush Sash Lifts

Made of wrought steel bronze plated. Size, 1 1/4 x 3 1/4 inches. Complete with screws.

4-A-3567. Antique Copper. Each.....4c  
4-A-3569. Lemon Brass. Each.....4c



## Bar Sash Lifts



Electro plated, wrought steel. Length of handle, 3 inches. Length over all, 4 inches.  
4-A-3559. Lemon Brass. Each.....7c  
4-A-3559 1/2. Sand Fin. 10c  
4-A-3557. Antique Copper. Each.....7c  
4-A-3557 1/2. N. P. 10c



## Hook Sash Lifts

Splendid quality, heavy and high grade. Finely finished and made with bevel edges. Size, 1 1/2 inches. Screws to match.

GENUINE WROUGHT BRONZE METAL  
4-A-3523. Antique Copper. Polished. Each.....7c  
4-A-3525. Lemon Brass Finish. Each.....7c

ELECTRO BRONZE PLATED WROUGHT STEEL  
4-A-3527. Antique Copper. Polished. Each.....3c  
4-A-3527 1/2. N. P. 5c  
4-A-3529. Lemon Brass Finish. Each.....3c  
4-A-3529 1/2. Sand Fin. 5c

## Electro Plated Wrought Steel Chain Bolts

Length, 6 inches, with 2 feet of chain. Screws to match.  
4-A-3511. Antique Copper.....57c  
4-A-3513. Lemon Brass.....57c

### FOOT BOLTS

Electro plated, wrought steel, spring release. Length, 6 inches. Screws to match.

4-A-3515. Antique Copper.....57c  
4-A-3517. Lemon Brass.....57c



## Swinging Door Holders

For doors where an attachment is required that may be operated easily with the foot. Spring release. The rubber tipped bolt will not mar or injure carpet.

4-A-3709. Japanned Finish. 65c  
4-A-3711. Antique Copper. 90c  
4-A-3713. Lemon Brass. 90c

## Flush Bolts

Cast iron plated. Flush Bolt, 1 inch wide. With screws.  
4-A-15010. 6 inch Flush Bolts. Lemon Brass. 37c  
4-A-15011. 6 inch Flush Bolts. Antique Copper. 37c  
4-A-15020. 4 in. Antique Copper. 32c  
4-A-15021. 4 in. Lemon Brass. 32c



Casement Window Adjuster. Made of plated steel rod, 3/8 inch diameter. This adjuster is for sash opening out and will hold the sash at any angle. Two finishes.  
4-A-15004. Antique Copper. Opening out. Price, each.....40c  
4-A-15005. Lemon Brass. Opening out. Price, each.....40c  
4-A-15004 1/2. Opening in. Ant. Copper. 65c  
4-A-15005 1/2. Opening in. Lemon Brass. 65c



# General Hardware at Big Savings



## Screen Door Catch

4-A-3675. Vienna bronze finish for doors  $\frac{1}{2}$  to  $1\frac{1}{2}$  inches thick. To be used on doors opening outwards. Furnished complete with stop, knobs and screws. Per set..... 30c



## Screen Door Sets

4-A-3673. Consists of one pair japanned back spring hinges. One steel door pull, one hook and eye, complete with screws. Per set..... 20c



## Screen Door Hinges

4-A-3670. Hold back spring hinges, the strongest and best manufactured. Japanned case. Screws not furnished. Each..... 13c



## Warner Screen Door Hinges

4-A-3685. Made of heavy spring steel wire, copper plated. Each..... 4c

## ELECTRO PLATED DOOR PULL

4-A-3687. Wrought steel, antique copper finish. Strong, durable, and well made. Will give long and continued service.  $\frac{1}{2}$  ins. long. Each..... 2c



## ORNAMENTAL THUMB LATCHES AND HANDLES

4-A-3633. Bronze finish. For doors  $\frac{1}{2}$  to  $1\frac{1}{2}$  inches thick. Complete with screws. Each..... 19c



## Torrey's Ready Door Spring

4-A-3681. Steel rod door spring. Furnished with a special wrench with each set for adjusting tension. Length, 39 inches. Each..... 20c

## SPIRAL DOOR SPRINGS

4-A-3688. Made from special grade highly tempered steel wire, fastened securely to the bracket and spring holder. Adjustable tension. Length, 10 inches. Price, each..... 18c

## STOP SCREW AND WASHER

4-A-3657. Wrought steel washer. Antique copper finish screw to match. Price, per doz..... 15c  
4-A-3659. Lemon Brass finish. Per dozen..... 15c

## METAL BASE KNOBS

Bronze plated. Extra long heavy screws. Heavy rubber tip. Length,  $2\frac{1}{2}$  inches. 4-A-3573. Antique Copper. Each..... 8c  
4-A-3574. Lemon Brass. Each..... 8c

## HARDWOOD BASE KNOBS

Rubber tipped. Well pointed screws. Nicely finished. 4-A-3572, Each..... 3c

## SAFETY DOOR CATCH

4-A-1645. Cast Floor Door Stops, used to protect furniture or prevent door from striking radiator or wall. Antique Copper, Lemon Brass or Nickel plated finishes. Each..... 10c

## Safety Door Catch

4-A-1363. Safety Door Catch. Made of wrought steel, finished in Lemon Brass or Antique Copper. Complete with screws, each..... 60c

## Door Buttons

4-A-3655. Japanned finish. Length,  $1\frac{1}{2}$  inches. 8c  
Length, 2 inches. 10c  
4-A-3656 Aluminum  $1\frac{1}{2}$ " 12c Doz. No screws.



## CUPBOARD CATCHES

4-A-3609. Iron Japanned finish. Screws are not furnished. Each..... 4c

## SHELF SUPPORTS

Copper plated iron with  $\frac{1}{4}$ -in. pins. Wt., about 4 ounces. 4-A-3650, Price, per dozen..... 10c

## FELT WEATHER STRIPS

4-A-3719. Made of durable black wool felt,  $\frac{1}{2}$  in. width for windows,  $\frac{3}{4}$  in. width for sides and top of door,  $\frac{1}{4}$  in. for bottom of door. Put up 50 ft. to a package. Inches.....  $\frac{1}{2}$  34c  $\frac{3}{4}$  4c  $1\frac{1}{2}$  44c  
Per ft..... 34c 4c 44c  
Per pkg..... \$1.44 \$1.68 \$1.92

## RUBBER STRIPS

4-A-3717. Sea's cracks around windows and doors; made of the best grade rubber, one-half inch wide for windows, three-fourths inch wide for tops and sides of doors, one inch wide for bottom of doors. Put up in packages containing fifty feet. Inches.....  $\frac{1}{2}$  34c  $\frac{3}{4}$  4c  $1\frac{1}{2}$  44c  
Per ft..... 34c 4c 44c  
Per pkg..... \$1.45 \$1.90 \$2.40

## Rubber Strips

4-A-3717. Sea's cracks around windows and doors; made of the best grade rubber, one-half inch wide for windows, three-fourths inch wide for tops and sides of doors, one inch wide for bottom of doors. Put up in packages containing fifty feet. Inches.....  $\frac{1}{2}$  34c  $\frac{3}{4}$  4c  $1\frac{1}{2}$  44c  
Per ft..... 34c 4c 44c  
Per pkg..... \$1.45 \$1.90 \$2.40



## BRIGHT BRAIDED PICTURE WIRE

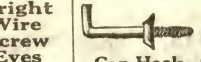
1-A-3839. Heavily Tinned. Coils guaranteed to contain full 75 ft. Per coil..... 7c



## Bright Wire Screw Eyes

4-A-3850. Gimlet Pointed Screws. Perfectly formed eyes.

Size No.	Length Inches	Per Dozen
105	2	9c
108	$1\frac{1}{2}$	7c
110	$1\frac{1}{4}$	5c
112	$1\frac{1}{2}$	4c
114	1	3c
214	$\frac{3}{4}$	3c



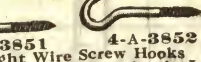
## Cap Hook

4-A-3854. Polished Brass, Full Size. Either kind same price. Size, In. Per Doz. 7c  
 $\frac{1}{2}$  11c  
 $\frac{3}{4}$  9c  
 $1\frac{1}{2}$  8c  
 $2\frac{1}{2}$  10c  
1 11c



## Screw Hook

4-A-3853. Polished Brass, Full Size. Either kind same price. Size, In. Per Doz. 7c  
 $\frac{1}{2}$  11c  
 $\frac{3}{4}$  9c  
 $1\frac{1}{2}$  8c  
 $2\frac{1}{2}$  10c  
1 11c



## Bright Wire Screw Hooks

Full size, perfectly pointed. In ordering:

Length Inch	Straight Pattern Dozen	Bent Pattern Dozen
1 1/2	4c	4c
1 1/4	5c	5c
2	6c	6c
2 1/4	7c	7c
3	13c	9c
3 1/2	17c	14c

## Coat Hat and Umbrella Hook

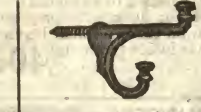
4-A-3663. Electro polished antique copper finish. Screws to match. 7 ins. high, from wall, 4 inches. Each..... 20c

## Coat, Hat and Umbrella Hook

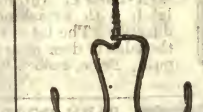
4-A-3666. Double pattern. Height, 9 inches. Projects from wall  $4\frac{1}{2}$  inches. Spread 10 inches. Each..... 55c



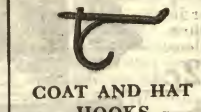
4-A-3671. Heavy iron hooks. Suitable for schools and public coat rooms. Japanned finish. Strong and durable. Length, 3 inches. Per dozen..... 50c



4-A-3674. Japanned iron, a strong, durable hook, with screw end. Quickly and easily put up without the aid of tools. Serviceable and satisfactory. Per dozen..... 18c



4-A-3669. Made from heavy copper plated plain steel wire. Will not rust. Gimlet pointed screws. Length, 3 inches. Per dozen..... 15c



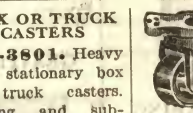
4-A-3667. Made of copper plated spring steel wire. Gimlet pointed screws. Length, 3 inches. Per dozen..... 12c

## Coat Hat and Umbrella Hook

4-A-3663. Electro polished antique copper finish. Screws to match. 7 ins. high, from wall, 4 inches. Each..... 20c

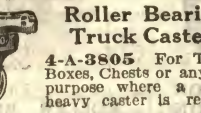


4-A-3801. Heavy iron stationary box or truck casters. Strong and substantial. Price does not include screws. 3-inch Wheel. Each..... 30c  
4-inch Wheel. Each..... 45c

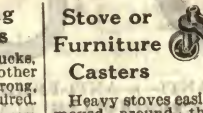


4-A-3805. For Trucks, Boxes, Chests or any other purpose where a strong, heavy caster is required.

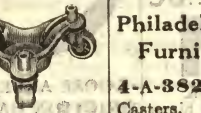
Size of Wheel	Size of Plate	Set of Four	Size of Wheel	Size of Plate	Set of Four
$1\frac{1}{2}$ "	$1\frac{1}{2}$ " x 2"	\$0.48	$2\frac{1}{2}$ "	$2\frac{1}{2}$ " x 3"	\$1.00
$1\frac{1}{4}$ "	$1\frac{1}{4}$ " x 2"	.60	$3\frac{1}{2}$ "	$3\frac{1}{2}$ " x 4"	2.20
$1\frac{1}{2}$ "	$1\frac{1}{2}$ " x $2\frac{1}{2}$ "	.75	$3\frac{3}{4}$ "	$3\frac{3}{4}$ " x $4\frac{1}{2}$ "	3.00



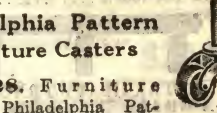
4-A-3829. Price, per set of 4..... \$1.70



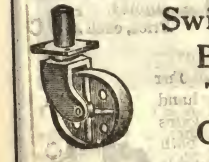
4-A-3828. Furniture Casters. Philadelphia Pattern.  $\frac{1}{2}$ -inch bronzed iron wheels. Strong and durable. Per set of 4..... 7c



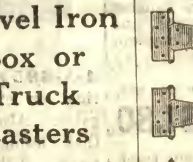
4-A-3811. 1" \$0.48  
4-A-3812. 1 1/2" .60  
4-A-3813. 2" .77  
4-A-3814. 2 1/2" 1.05



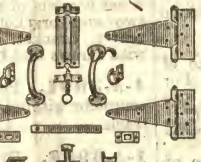
4-A-3808. 3-inch Wheel. Each..... 34c  
4-inch Wheel. Each..... 55c



4-A-3808. 3-inch Wheel. Each..... 34c  
4-inch Wheel. Each..... 55c



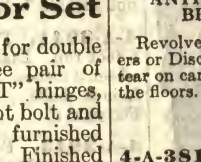
4-A-1605. Garage Set for double swinging door. Three pair of extra heavy 10 in. "T" hinges, one chain bolt, one foot bolt and two thumb latches, furnished complete with screws. Finished in Black Japan. Set, Complete..... \$3.00



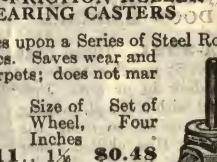
4-A-3811. 1" \$0.48  
4-A-3812. 1 1/2" .60  
4-A-3813. 2" .77  
4-A-3814. 2 1/2" 1.05



4-A-3811. 1" \$0.48  
4-A-3812. 1 1/2" .60  
4-A-3813. 2" .77  
4-A-3814. 2 1/2" 1.05



4-A-3811. 1" \$0.48  
4-A-3812. 1 1/2" .60  
4-A-3813. 2" .77  
4-A-3814. 2 1/2" 1.05



4-A-3811. 1" \$0.48  
4-A-3812. 1 1/2" .60  
4-A-3813. 2" .77  
4-A-3814. 2 1/2" 1.05





**4-A-3925,** Heavy polished Wire Hooks and Eyes.

Inches  
Length..... 2 3 4  
Each..... 02c 02c 02½c  
Dozen..... 10c 15c 20c



**4-A-3923,** Wrought Hooks and Staples.

Inches  
Length..... 4 6  
Price, doz..... 40c 78c  
Price, each..... 4c 7c



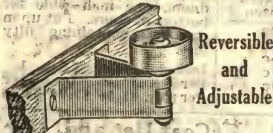
**4-A-3913,** Heavy wrought steel hsp with double hook and staples.  
Length, inches..... 6 8 10  
Price, each..... 4c 5c 7c

**TINNED SAFETY GATE HOOKS AND STAPLES**



**4-A-3961,** Length, 4 and 6 inches.  
Price, each..... 12c 18c

**BARN DOOR STAY ROLLERS**



**4-A-3911,** Reversible for inside and outside doors. Adjustable for any thickness of door. Diameter of wheel, 2 ins.  
Price, each..... 12c



**4-A-3947,** Strong and rigid. Suitable for any ordinary door. Size, ½x1 inch. Lengths, 4, 6, 8 and 10 feet.  
Price, per foot..... 6c

**EXTRA HEAVY TRACK**  
**4-A-3949,** For use with hinge joint or other styles of barn door hangers. Made of steel. Sizes, 1½x½ inch. Comes in lengths, 4, 6, 8 and 10 feet.  
Price, per foot..... 8c

**HINGE JOINT BARN DOOR HANGERS**

**4-A-3921,** Hinge joint makes it possible to swing the door in or out. Provided with a guard, making it impossible to jump the track. Has chilled roller bearings. Wheel, axles and bearings are fully protected from the weather.  
Price, per pair..... 80c

## Hinges Wrought Steel, Standard Size, Strictly First Quality

Size given is measurement from joint to end of hinge.  
Without screws.



**4-A-3920,** Light wrought Steel strap Hinges. Size given is length from joint to end of hinge.

Size, inches..... 3 4 5 6  
Takes Screw No..... 6 7 8 9  
Price, per pair..... 8c 9c 10c 15c

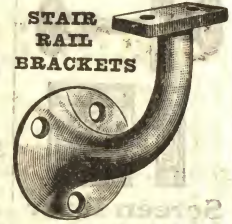


**4-A-3931,** Heavy wrought Steel Strap Hinges. Size given is length from joint to end of hinge.

Size, inches..... 6 8 10 12 14  
Screw No..... 10 12 12 14 16  
Price, pair..... 17c 27c 44c 67c 85c

**4-A-3933,** Wrought steel Screw Strap Hinges. Each pair requires two ¾-inch and four ½-inch bolts to put them on. Bolts are not included at prices quoted.

Size, inches..... 10 12 14  
Price, per pair..... 33c 39c 48c



**STAIR RAIL BRACKETS**

Projects two inches from wall to center of rail. These brackets are used to support hand railing.

**4-A-15022,** Copper bronze finish Each..... 12c



**YANKEE DOOR CATCH**

**4-A-3915,** For holding open swinging doors. Made of cast iron, japanned.  
Each..... 9c



**WROUGHT LIGHT STEEL "T" HINGES.**

**4-A-3927**  
Size, inches..... 3 4  
Price, per pair..... 7c 9c  
Size, inches..... 5 6 8  
Price, per pair..... 10c 13c 17c



**WROUGHT HEAVY STEEL "T" HINGES.**

**4-A-3909** Size..... 6 8  
Pair..... 15c 19c  
**Extra Heavy "T" Hinges.**  
**4-A-3910**  
6 ins. 8 ins. 10 ins. 12 ins.  
20c 35c 50c 73c  
Pr. Pr. Pr. Pr.

**PRESSED STEEL BRACKET**

**PER PAIR, 10c**

**4-A-3451,** Strong and unbreakable, Japanned finished without screws.

Size, inches..... 4x5 6x8 7x9  
Price, per pair..... 10c 18c 22c  
Size, inches..... 8x10 10x12 12x14  
Price, per pair..... 26c 35c 56c



**4-A-3907,** Heavy pattern, suitable for stable and out-houses. Length, 8 ins.  
Price, each..... 30c



**4-A-3935,** Heavy Wrought Steel Hinge.  
Length, inches... 3 6 8 10  
Each..... 7c 12c 17c 27c



**BARN DOOR BOLT**

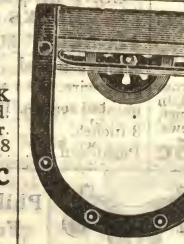
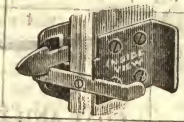
**BARN DOOR PULLS**

**4-A-3963,** Extra heavy cast iron.  
Each..... 2c



**STEEL CENTER BRACKET**

**4-A-3905,** Steel Center Brackets for track 4-A-3903. Japanned finish complete with lag screw for attaching. Price, each..... 18c



**LOOSE AXLE ANTI-FRICTION HANGERS**

Guaranteed not to bind or jump the track. Wheels are mounted on hardened steel axles. Our prices do not include bolts.

**4-A-3941,** For doors 6 foot run. Diameter of wheel, 3 inches. Requires ½-inch bolts.  
Per pair..... 85c

**4-A-3943,** For doors 8-foot run. Diameter of wheel, 4 inches. Requires inch bolts.  
Per pair..... \$1.05

**BARN DOOR HANGERS**

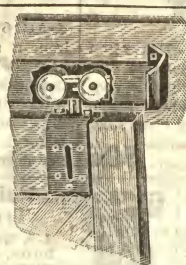


**ANTI-FRICTION ROLLER BEARING BARN DOOR HANGERS**

Made entirely of steel except the wheel. The axle is of hardened steel. Prices do not include bolts.

**4-A-3917,** Size of wheel, 3½ inches. For small and medium size doors.  
Per pair..... 65c

**4-A-3919,** Size of wheel, 4 inches. Suitable for the largest size doors.  
Per pair..... 80c



**ROLLER BEARING TROLLEY HANGERS**

Wheels run inside of hollow steel track. Can not bind or jump the track. Suitable for doors, 1½ to 2½ inches thick. A set consists of two hangers two end brackets and one center bracket. Complete with screws and bolts.

**4-A-3901,** Price per set, complete without track..... \$1.80

**4-A-3903,** Trolley track for above hangers, brackets not included. Lengths, 4, 5, 6, 8 and 10 feet.  
Price, per foot..... 22c

**GATE HINGE**

**4-A-3953,** Will swing both ways. Does not require spring or weight. Wrought upper hinge, cast lower hinge, Japanned finish.  
Per set..... 90c



**GRAVITY GATE LATCH**

**4-A-3959**  
Overcomes shrinking and sagging of gate posts. Made of steel and malleable iron. Easily applied.  
Price, each 20c

**4-A-3957,** For right or left hand gates. Also gates that swing both ways. Adjustable to meet any sag in the gate.  
Each..... 12c



# Standard Wire Nails

## Full Length—All Sizes

These wire nails are regular standard stock, high grade and full length. The prices below are figured from the latest quotations received by us at the time this book was printed. The present uncertain conditions of the nail market necessitate that all our quotations be made subject to change without notice. Your order will be shipped at prices which prevail at the time it is received. We will see that you get every possible benefit of a decline in prices.



### COMMON WIRE NAILS

Size	Per Keg	Per Lb.
2d.....	\$5.35	
3d.....	5.05	
4d.....	4.70	
6d.....	4.50	
8d.....	4.20	
10d.....	4.10	
12d.....	4.05	
16d.....	4.00	
20-60d.....	3.90	

6c

### FINISHING NAILS

Size	Per Keg	Per Lb.
2d.....	\$5.90	
3d.....	5.45	
4d.....	5.15	
6d.....	4.90	
8d.....	4.50	
10d.....	4.35	
12d.....	4.30	
16d.....	4.15	
Larger.....	4.05	

7c

### CASING NAILS

Size	Per Keg	Per Lb.
2d.....	\$5.60	
3d.....	5.25	
4d.....	5.00	
6d.....	4.65	
8d.....	4.40	
10d.....	4.25	
12d.....	4.20	
16d.....	4.10	
Larger.....	4.00	

7c

### CEMENT COATED NAILS

Size	Per Keg	Per Lb.
3d.....	\$4.55	
4d.....	4.20	
6d.....	4.00	
8d.....	3.70	
10d.....	3.60	
16d.....	3.70	
20-60d.....	3.60	

6c

### STANDARD NAIL SIZES AND LENGTHS IN INCHES.

Size	Length, Ins.	Diam. Ins.
60d	6	9/32
40d	5	7/32
30d	4 1/2	13/64
20d	4	3/16
10d	3	5/32
8d	2 1/2	5/32
6d	2	1/8
4d	1 1/2	1/8
3d	1 1/4	3/32
2d	1	3/32

### FINE OR LATH

Size	Per Keg	Per Lb.
3d.....	\$5.50	
4d.....	4.95	

7c

### ROOFING NAILS

2-A-4060. Bright Large Head Barbed Roofing Nails, 1/2 inch, No. 10.....	\$7.00, Keg—8c, Lb.
2-A-4061. Bright Large Head Barbed Roofing Nails, 1 1/4 inch, No. 10.....	\$6.80, Keg—8c, Lb.
2-A-4062. Galvanized Large Head Barbed Roofing Nails, 1/2 inch, No. 10.....	\$9.50, Keg—10c, Lb.

### GALVANIZED SHINGLE NAILS

Size	Per Keg	Per Lb.
3d.....	\$6.80	
4d.....	6.60	

8c

### STEEL WIRE BRADS

2-A-4017. Put up in 1 pound packages.	
Length, inches.....	1 1/2 1 3/4 1 7/8 1 15/16 1 15/16 1 15/16
Gauge wire.....	19 18 17 16 15 14 13
Price, per pound.....	19c 18c 16c 15 1/2 c 15c 14 1/2 c 14c

### SLIM WIRE NAILS

2-A-4619. Put up in 1 pound packages.	
Length, inches.....	1 1/2 1 3/4 1 7/8 1 15/16 1 15/16 1 15/16
Gauge wire.....	18 17 16 15 14 13 12
Price, per pound.....	18c 14c 14c 13c 13c 13c

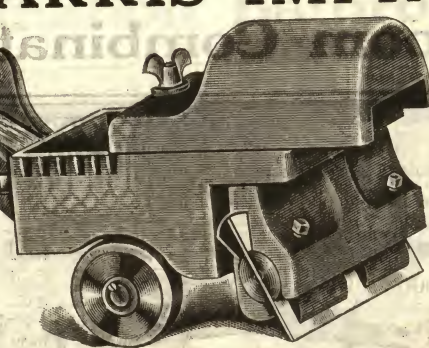
## HARRIS IMPROVED PATENTED "ADJUSTABLE" Ball Bearing Floor Scraper

OUR SPECIAL INTRODUCTORY OFFER:

A \$60.00 Scraper \$29<sup>50</sup> with 6 Blades . . .

This adjustment shows handle low.

Weight on blade, 40 lbs; vertical angle of blade, 70 degrees. Blades set for left hand, shear cut. Note the overhead weight is adjustable and may be removed.



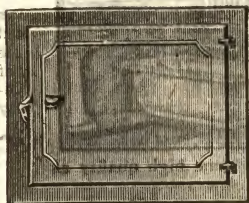
Our object in making this special offer is to introduce the floor scraper which, in our opinion, is by far the best scraper on the market today. Here is your chance to buy and own a regular \$60.00 floor scraper and save more than its cost to you. A fortunate buying arrangement enables us to give you the benefit of this saving.

This machine can be used by anyone for any kind of practical floor scraping. Easily adjusted to suit the convenience of the operator. Blade adjustable to any vertical or lateral angle to the floor. Overhead weight adjusted to give 30 to 40 pounds pressure directly on blade. Scrapes up into the corners.

This is the eighth year that this scraper has been on the market. Each succeeding year the demand has grown until today it is without doubt, the best and lowest priced machine offered. It is guaranteed to do the work. First class material and workmanship throughout. Any parts broken due to defective workmanship or material will be replaced free within one year provided the defective part is returned to our plant at Chicago. The exchange will be made at our expense.

Simply push and pull the machine forward and backward in an easy natural way. Ball bearing rubber tired wheels make the work easy. Weight can be removed for finishing work. Under a uniform pressure, a true and even surface is assured. Weight of machine, 125 pounds. Six blades, 8 inches wide, made of Disston Saw Steel. Burnisher and wrench included. Extra Blades, each..... 90c

10-A-1620. Harris Improved Patented Adjustable Floor Scraper, complete, F. O. B. Chicago, Each..... \$29.50



### ASH PIT DOORS

\$1<sup>35</sup>

AND UP

17-A-25. These ash pit doors are made of extra heavy cast iron, easily fitted and absolutely tight. Furnished in black enamel.

Opening Size	Price
No. 1..... 8x8	\$1.35
No. 3..... 10x12	2.10
No. 5..... 12x15	4.20

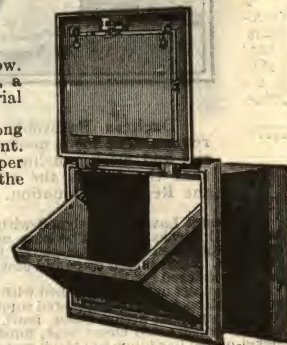
### COAL CHUTES \$11<sup>00</sup>

Designed to be placed in a cellar wall same as any window. These chutes serve as a substantial protection to your building, a convenient opening for depositing coal, wood and other material into the basement.

The body of chute is made of heavy steel; the door of strong gray cast iron. All parts are nicely painted before shipment. Hopper can be removed if desired. When the door closes, the hopper swings back into the chute and allows the door to close against the wall.

#### SIZE OF WALL OPENING

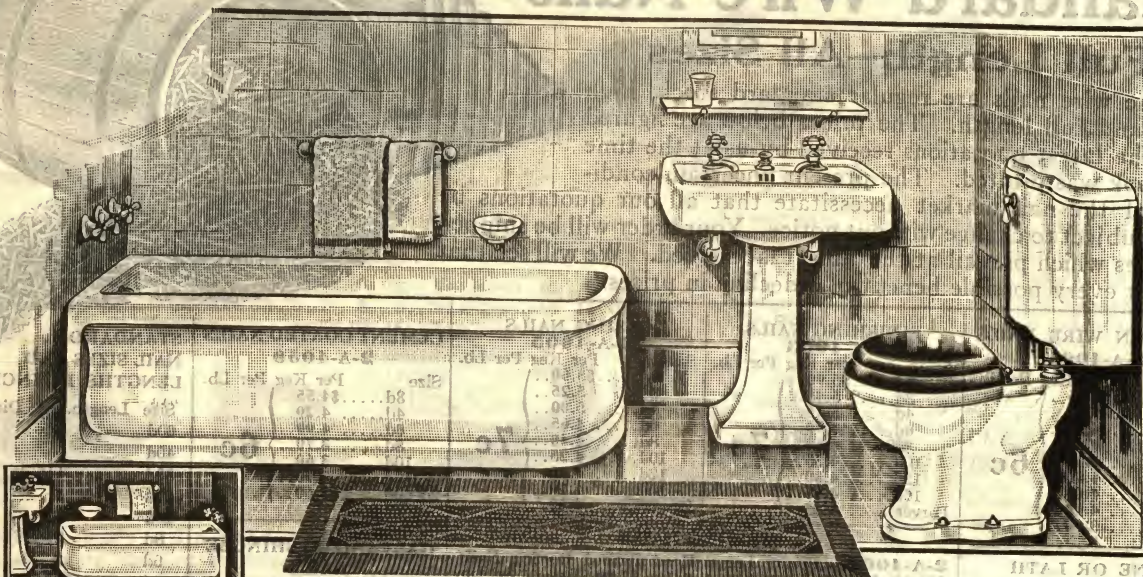
17-A-152. Size 24 in. wide, 17 in. high and 13 in. deep, with hopper.....	\$13.00
17-A-153. Size, 33 in. wide, 22 in. high and 18 in. deep with hopper.....	\$21.00
17-A-154. Size, 24 in. wide, 17 in. high and 13 in. deep, without hopper.....	\$11.00
17-A-155. Size, 33 in. wide, 22 in. high and 18 in. deep, without hopper.....	\$21.50



HARRIS BROTHERS COMPANY, 35th and Iron Streets, CHICAGO



## Regal Bathroom Combination



Our Regal Bathroom Combination combines the very finest quality material and beauty of design. We offer this bathroom outfit with the belief that a more beautiful or practical outfit cannot be purchased at any price.

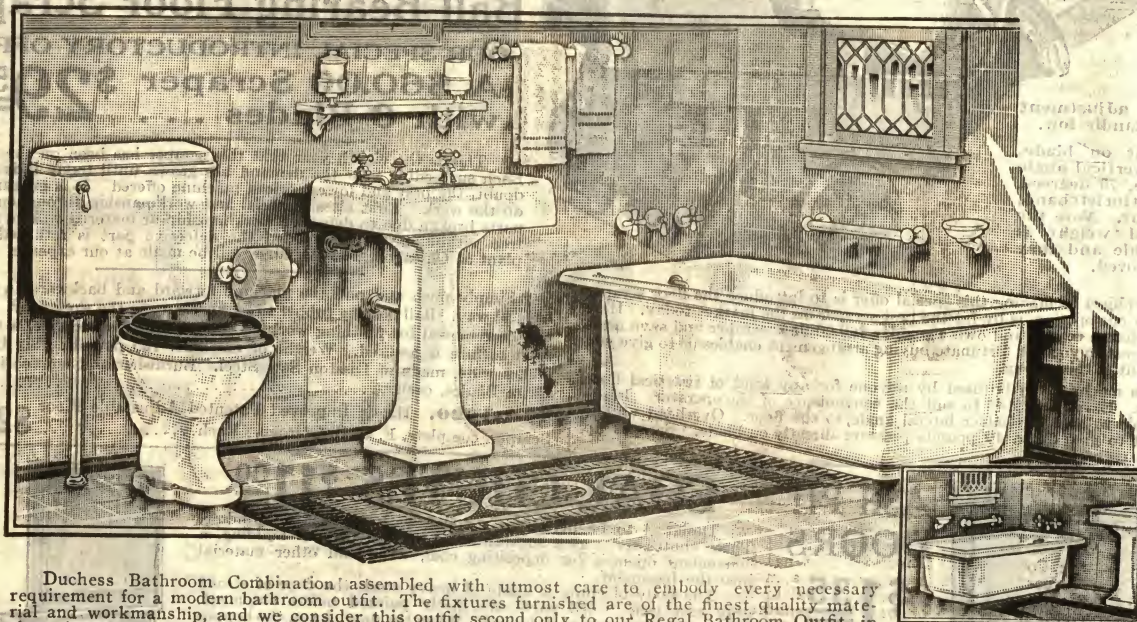
Pedestal lavatory designed with massive Colonial base and slab size 20 x 24 inches, 31 inches high. The base and slab are enameled with white porcelain enamel, furnished with nickel-plated Roman lifting waste and nickel-plated supply pipes, nickel-plated trap and cast brass nickel-plated faucets with white china handles, indexed hot and cold.

The closet outfit is furnished with a white vitreous china tank, fitted with compound ball cock and nickel-plated supply pipe, nickel-plated offset flush connection. Syphon jet silent action closet bowl, made of vitreous earthenware, fitted with heavily constructed closet seat, finished in a highly polished Mahogany, heavy nickel-plated bar hinge to attach seat direct to the bowl.

The bath tub is deep apron cornered type, 5 ft. long, cast in one piece of the finest quality gray cast iron, enameled inside and out. The back and one end of the tub are finished into the wall and the base is finished into the floor. The fittings furnished are of the concealed type built into the wall. The supply pipes and lifting waste are equipped with white china handles and escutcheons. The bath tub can be furnished for either right or left hand corner. Be sure to specify the style tub you desire when ordering this outfit.

5-A-1209. The Regal Bathroom Outfit, complete as described.....**\$170.00**

## Duchess Bathroom Combination



Duchess Bathroom Combination assembled with utmost care to embody every necessary requirement for a modern bathroom outfit. The fixtures furnished are of the finest quality material and workmanship, and we consider this outfit second only to our Regal Bathroom Outfit, in that the tub is the roll rim type instead of the deep apron. With this exception, the outfit is of the same high quality as the Regal Combination.

Pedestal Lavatory designed with Massive Colonial Base and Slab—20 x 24 inches, 31 inches high. The base and slab are enameled with white porcelain enamel, furnished with nickel-plated Roman-Lifting Waste and nickel-plated supply pipes, nickel-plated traps and cast brass nickel-plated faucets with white china handles, indexed hot and cold.

The closet outfit is furnished with a white vitreous closet tank fitted with compound ball cock and nickel-plated supply pipe, nickel-plated offset flush connection. Syphon jet silent action closet bowl, made of vitreous earthenware, fitted with heavily constructed closet seat, finished in a highly polished Mahogany, heavy nickel-plated bar hinge to attach seat direct to the bowl.

The bath tub is the roll rim corner type, 5 ft. long, cast in one piece of the finest quality gray cast iron, enameled inside and out with white porcelain enamel. The back and one end of the tub are finished into the wall and the base is finished into the floor. The fittings furnished are of the concealed type built into the wall. The supply pipes and lifting waste are equipped with white china handles and escutcheons. Tub can be furnished for either right or left corner. Be sure to specify style tub you desire when ordering the outfit.

5-A-1210. The Duchess Bathroom Outfit, complete as described.....**\$155.00**



# Princess Bathroom Combination



Our Princess Bathroom Combination has been selected to supply the demand for an up-to-date sanitary bathroom outfit, where space is limited and where an inexpensive outfit is desired. In this combination we offer a strictly modern outfit with a built-in tub at a very low price.

The lavatory is of Colonial design, straight front, deep apron type, size 20 x 24 inches. The fittings consist of nickel-plated faucets with crossed handles, indexed for hot and cold water, nickel-plated brass supply pipes to the wall and nickel-plated brass "T" trap.

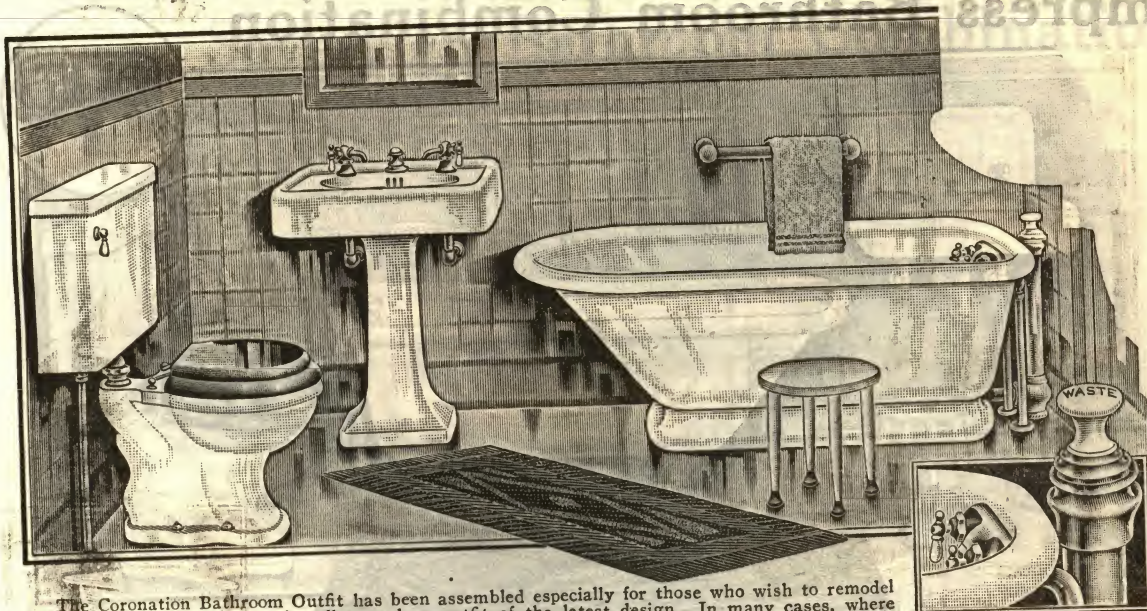
The closet outfit includes a white vitreous china tank, fitted with compound ball cock, nickel-plated supply pipe and nickel-plated brass connecting ell. The bowl is the wash-down Syphon action type, made of vitreous earthenware, fitted with heavily constructed closet seat, finished in a highly polished Mahogany, heavy nickel-plated bar hinge to attach seat direct to bowl.

The tub is of the roll rim corner type, 5 ft. long, cast in one piece of the finest quality gray iron casting, enameled inside and out with white porcelain enamel. Back and one end of the tub finished into the wall and the base is finished into the floor. The fittings are of exposed type and consist of special nickel-plated brass connected waste and overflow with long extension "T", threaded to connect with 1 1/2 inch iron pipe. Nickel-plated brass supply pipes and nickel-plated double bath cock with china handles, indexed for hot and cold water.

5-A-1214. The Queen Bathroom Outfit, complete as described.....

**\$11500**

# Coronation Bathroom Combination



The Coronation Bathroom Outfit has been assembled especially for those who wish to remodel their present bathroom and install a modern outfit of the latest design. In many cases, where remodeling is done, it is not practical to install built-in tubs. We have included with this outfit, therefore, a pedestal or base tub, enameled inside and out, which, combined with the pedestal lavatory and syphon jet closet outfit, makes the Coronation a really wonderful bathroom combination.

The Bath Tub is cast in one piece, and coated with white porcelain enamel both inside and outside; it measures 5 ft. long, 30 in. wide, and is made with a 3 in. roll rim. Finest quality fittings are included with the tub, consisting of heavily nickel-plated brass lifting waste, which does away with the troublesome chain and stopper; nickel-plated quick compression double bath cock, with white china handles, indexed for hot and cold water; nickel-plated supply pipes.

The Pedestal Lavatory, designed to match the tub is entirely covered with white porcelain enamel. Size of slab 20x24 inches, with oval bowl 12 x 15 inches and stands 31 inches high. It is fitted with nickel-plated Roman lifting waste, nickel-plated supply pipes, nickel-plated trap and nickel-plated faucets with white china handles indexed for hot and cold water.

The Closet Outfit is furnished with a white, vitreous china tank in mission style, and is fitted with compound elevated ball cock and nickel-plated supply pipe. Tank connects to bowl with nickel-plated 2-inch offset flush. The bowl is an improved Syphon Jet silent action type, made of vitreous earthenware and is fitted with a practically indestructible seat and cover, finished in highly polished mahogany. Nickel-plated bar hinges attach the seat direct to bowl.

No. 5-A-325. The "Coronation" Bathroom outfit is furnished complete as described.....

**\$14000**

HARRIS BROTHERS COMPANY, 35th and Iron Streets, CHICAGO



# Royal Bathroom Combination



Most prominent of all the desirable features of this combination is the massively designed bath tub with pedestal base. The tub sets flush all around on the floor and eliminates the old-fashioned leg base so difficult to clean under.

The pedestal base bath tub is coated on the inside and over the 3 inch roll rim with white porcelain enamel. Measures 5 ft. long and 30 ins. wide; fitted with nickel-plated double bath cock with handles indexed for hot and cold water. Roman or lifting waste; nickel-plated supply pipes to floor. The closet outfit consists of a white vitreous earthenware tank fitted with heavy brass and copper interior trimmings. Perfect action. Syphon jet silent action white vitreous earthenware bowl, highly polished. Finely

finished seat and cover in mahogany; attaches to the bowl with nickel-plated bar hinges. The lavatory measures 20x24 inches. It is unusually attractive in design with 10 inch back. Fitted with compression faucets, indexed for hot and cold water. Nickel-plated supply pipes and "P" trap to wall.

5-A-74. Royal Bathroom combination, complete as described for \$100.00  
iron pipe connections.....

# Empress Bathroom Combination



This elegant outfit is designed for those who wish an extra fine bathroom equipment, neat of design and splendid in quality. The three pieces and all fittings to the last detail have been carefully chosen and embodied in a combination suited to the finest home.

The bath tub measures 5 feet long and 30 inches wide and is made with a 3 inch roll rim. Coated on the inside and over the rim with white porcelain enamel. It is furnished complete with nickel-plated compression double bath cock with handles indexed "hot and cold"; nickel-plated connected waste and overflow, supply pipes, chain and rubber stopper.

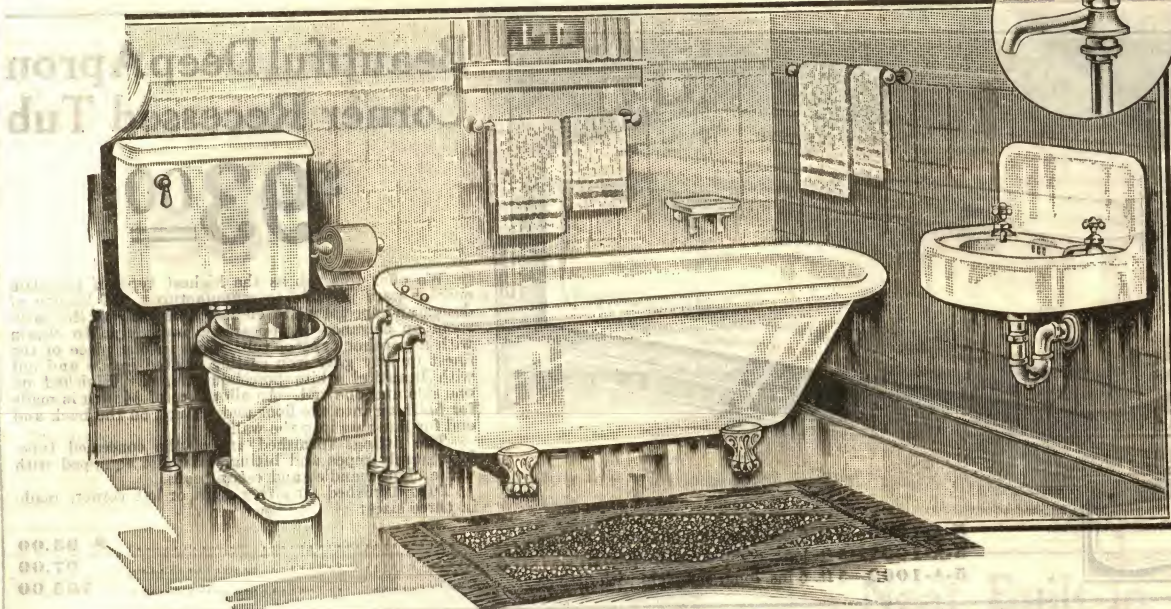
The closet outfit is an improved low down design furnished with Syphon jet silent action white vitreous earthenware bowl. The mahogany finished seat and cover are attached with nickel-plated bar hinges. White porcelain China closet tank, fitted with best trimmings; perfect in action. Nickel-plated offset and supply pipe.

The one-piece lavatory is heavily coated with white porcelain enamel and is made in deep apron style. Measures 20x24 inches with 10 inch back and "D" pattern bowl also 11x14 inches. Fitted with nickel-plated faucets with handles indexed "hot and cold". Nickel-plated supply pipes and "P" trap to wall.

5-A-580. Empress Bathroom combination complete as described for \$90.00  
Shipped complete from Chicago warehouse.



# Countess Bathroom Combination



This desirable bathroom outfit embodies all features of modern plumbing. It is offered to meet the demand for an outfit of very select quality and perfect design. Nothing has been spared in selecting all pieces and best fittings that could possibly be furnished at our big economical prices.

The bath tub furnished is 5 feet long and 30 inches wide; massive and well proportioned. Heavily coated on the inside and over the 3 inch roll rim with white porcelain enamel. Fitted with nickel-plated compression double bath cock indexed for hot and cold water; nickel-plated connected waste and overflow and supply pipes.

The closet outfit includes an improved wash down type vitreous earthenware bowl and plain neat white vitreous earthenware tank; fitted with Douglas pattern perfect acting valve. All tank fittings are made of heavy brass and copper; operated with China lever in front. The closet seat and cover are highly finished in mahogany and attached to the bowl with nickel-plated bar hinges.

The deep apron lavatory is coated with white porcelain enamel and measures 18 x 21 inches with 8 inch back and "D" pattern bowl, size 10½ x 14½ inches. Fitted with two nickel-plated compression faucets with China tops indexed for hot and cold water. Nickel-plated 1½ in. "P" trap to wall and ¾ in. nickel-plated supply pipes.

**5-A-67.** Countess Bathroom combination, complete as described, **\$78<sup>00</sup>** for iron pipe connections.

# Sovereign Bathroom Combination



The Sovereign Bathroom Combination has been carefully assembled to offer every requirement for the modern bathroom. Considering the splendid quality and modern design of every piece and part, the low price will encourage your immediate decision in favor of this outfit.

The bath tub measures 5 feet long and 30 inches wide and is made with a 3 inch roll rim. Coated on the inside and over the rim with white porcelain enamel. It is furnished complete with nickel-plated compression double bath cock with handles indexed hot and cold; nickel-plated connected waste and overflow, supply pipes, chain and rubber stopper.

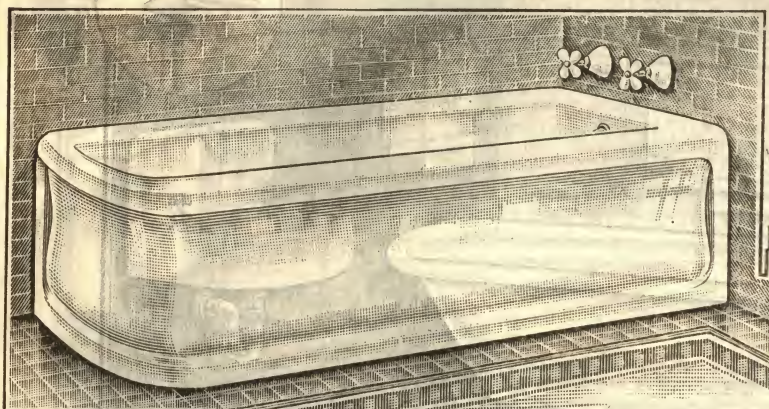
The closet outfit is an improved low down design furnished with wash down type white vitreous earthenware bowl. The oak seat and cover are attached with nickel-plated offset hinges. The oak closet tank matches the seat and cover in finish. It is fitted with best trimmings and is perfect in action. Lined throughout with heavy copper. Nickel-plated flush elbow and supply pipe.

The one-piece lavatory is heavily coated with white porcelain enamel and is made in deep apron style. Measures 17x19 inches with 10 inch back and "D" pattern bowl size 10½x13½ inches. Fitted with nickel-plated faucets with handles indexed hot and cold. Nickel-plated supply pipes and "P" trap to wall.

**5-A-300.** Sovereign Bathroom combination, complete as described, **\$70<sup>00</sup>** for iron pipe connections.



# Modern Artistic Bath Tubs



## Beautiful Deep Apron Corner Recessed Tub

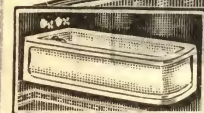
**\$93<sup>00</sup>**

We offer this tub as the highest type of porcelain enamel ware possible to manufacture. Its beauty of design and special white enameled finish give the bathroom an elegance of appearance impossible to obtain with any other type of tub. Cast in one piece of the finest quality gray iron casting, coated inside and out with beautiful white porcelain enamel. Finished on one side and one end. An allowance of  $\frac{1}{2}$  inch is made for finishing into the floor and  $\frac{3}{4}$  inch on the back and end for finishing into the wall.

The fittings furnished are of the concealed type. The supply pipes and lifting waste are equipped with white china handles and escutcheons.

Tubs furnished for either right or left corner, made in three sizes:

5-A-1000—4 ft. 6 ins. long, complete with fittings.....	\$ 93.00
5-A-1001—5 ft. long, complete with fittings.....	97.00
5-A-1002—5 ft. 6 ins. long, complete with fittings.....	105.00



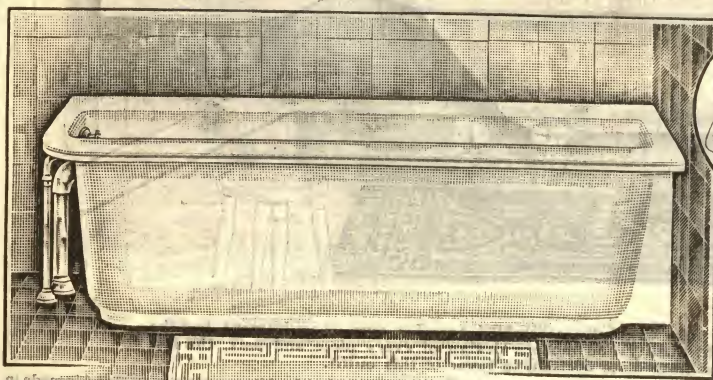
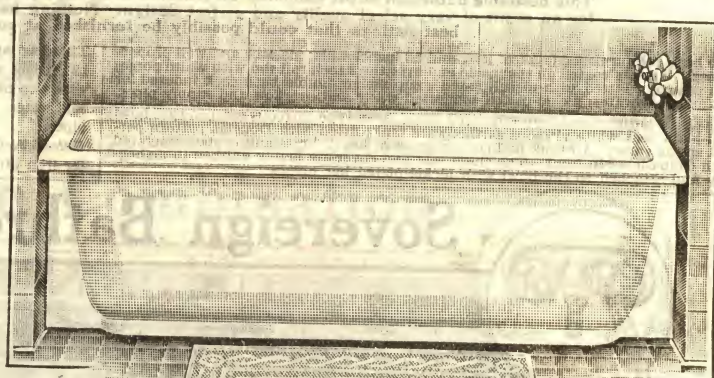
## Impressive Built-In Full Recessed Tub

**\$72<sup>00</sup>**

This tub is all cast in one piece and enameled inside and over the 3 inch flat rim. It is finished with the highest grade porcelain enamel. The back and both ends are built into the wall. An allowance of  $\frac{1}{2}$  inch is made on the back and two ends as well as on the bottom for setting into the floor.

The fittings are the concealed type. The supply pipes and lifting waste are equipped with white China handles and escutcheons. Tubs furnished with outlet at either right or left end. Made in three sizes:

5-A-1003—4 ft. 6 ins. long, complete with fittings.....	\$72.00
5-A-1004—5 ft. long, complete with fittings.....	75.00
5-A-1005—5 ft. 6 ins. long, complete with fittings.....	80.00



## Attractive Built-In Corner Recessed Tub

**\$65<sup>00</sup>**

Latest Double  
Bath Cock

Built-in corner tub with 3 inch rim enameled inside and out, finished with finest quality porcelain enamel. An allowance of  $\frac{1}{2}$  inch is made for finishing the back and one end into the wall and  $\frac{1}{2}$  inch for finishing tub into the floor. Fitted with double compression nickelplated bath cock, with China handles, indexed hot and cold, nickelplated brass connected waste and overflow, nickelplated brass supply pipes. Furnished for right or left corner.

5-A-1006—4 ft. 6 ins. long, complete with fittings described.....	\$65.00
5-A-1007—5 ft. long, complete with fittings described.....	68.00
5-A-1008—5 ft. 6 ins. long, complete with fittings described.....	75.00





# Finest Quality—Priced Low!

## Elegant Deep Apron Full Recessed Tub

**\$88<sup>00</sup>**

One piece porcelain enameled tub, enameled inside and over the apron with finest quality white porcelain enamel. The back and both ends are finished into the wall and an allowance of 1/2 inch is made on this tub for finishing.

The fittings furnished are the concealed type. The supply pipes and Ideal lifting waste are equipped with white china handles and escutcheons. Tubs can be furnished with outlet at either right or left end, made in three sizes:



<b>5-A-1009</b> —4 ft. 6 ins. long, complete with fittings.....	<b>\$88.00</b>
<b>5-A-1010</b> —5 ft. long, complete with fittings.....	<b>92.00</b>
<b>5-A-1011</b> —5 ft. 6 ins. long, complete with fittings.....	<b>97.00</b>



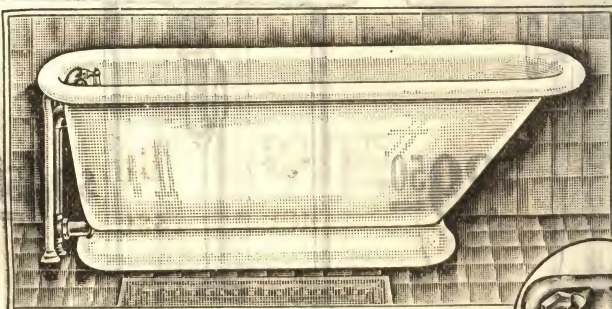
## Neat Built-In Corner Recessed Tub

**\$77<sup>00</sup>**

One piece cast iron enameled tub with 3 inch rim, enameled inside and out with the finest quality white porcelain enamel. An allowance of 1/2 inch is made on the back and one end of this tub for finishing into the wall.

The fittings are the concealed type. Supply pipes and lifting waste are equipped with white China handles and escutcheons. Tub furnished for either right or left corner, made in three sizes:

<b>5-A-1012</b> —4 ft. 6 ins. long, complete with fittings.....	<b>\$77.00</b>
<b>5-A-1013</b> —5 ft. long, complete with fittings.....	<b>80.00</b>
<b>5-A-1014</b> —5 ft. 6 ins. long, complete with fittings.....	<b>85.00</b>



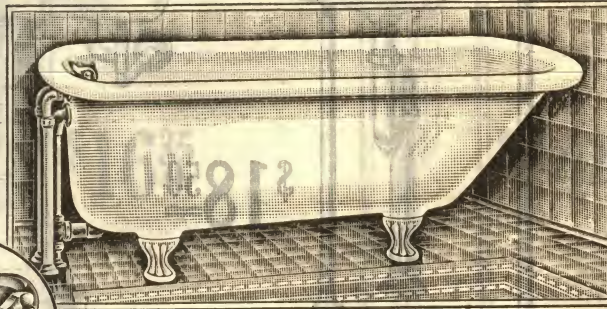
## Pedestal Bath Tub

Made of the best grade of gray cast iron enamel, heavily coated with white porcelain enamel inside and over the 3 inch roll rim.

Tub furnished with nickelplated compression bath cock with China handles, indexed hot and cold, nickelplated connected waste and overflow and nickelplated supply pipes.

Tub complete as described, painted outside:

<b>5-A-1015</b> —4 ft. 6 ins. <b>\$38.00</b>	<b>5-A-1018</b> —4 ft. 6 ins. <b>\$61.00</b>
<b>5-A-1016</b> —5 ft. .... <b>38.00</b>	<b>5-A-1019</b> —5 ft. .... <b>61.00</b>
<b>5-A-1017</b> —5 ft. 6 ins. <b>42.50</b>	<b>5-A-1020</b> —5 ft. 6 ins. <b>66.00</b>
Nickelplated standing bath waste and overflow china top for pedestal tubs. Extra..... <b>5.00</b>	

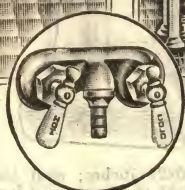


## Roll Rim Enameled Tub

Double bath cock of new design a feature of the regular equipment furnished with our bath tubs.

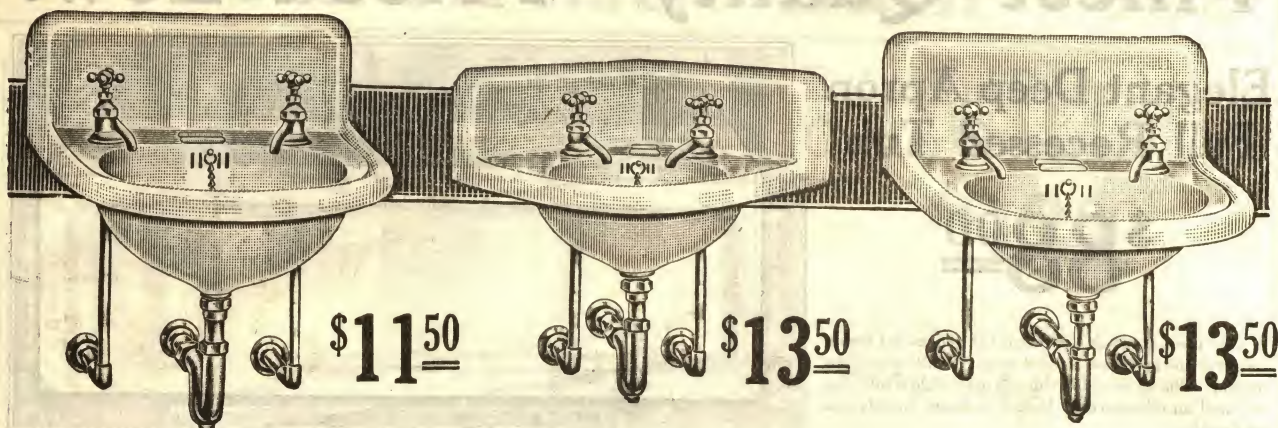
Made of gray cast iron enameled inside and over the 3 inch roll rim. Tubs measure 30 inches wide and are fitted with nickelplated bathcock, indexed for hot and cold, nickelplated waste and overflow and nickelplated supply pipes.

<b>5-A-1021</b> —4 ft. 6 ins. long, complete with fittings.....	<b>\$33.00</b>
<b>5-A-1022</b> —5 ft. long, complete with fittings.....	<b>33.00</b>
<b>5-A-1023</b> —5 ft. 6 ins. long, complete with fittings.....	<b>36.00</b>
<b>5-A-1024</b> —6 ft. long, complete with fittings.....	<b>43.00</b>





# White Porcelain Enameled Lavatories



Size of Slab, 17x19 inches; bowl, 10½x13½ inches; height of back, 6 inches.

White porcelain enameled one-piece half circled lavatory with "D" pattern bowl. Easily and quickly attached with concealed wall hangers furnished. Fitted complete with low down compression faucets with China tops marked "hot and cold." Nickel-plated 1½ inch "P" trap, supply pipes with flanges to wall. Nickel-plated chain and rubber stopper.

5-A-401. Complete as described with lead pipe connections.....**\$11.50**

5-A-403. Complete as described with iron pipe connections.....**\$12.00**

Length on sides, 16¾ inches; bowl, 10½x13½ inches; height of back, 6 inches.

White porcelain enameled one-piece roll rim corner lavatory with "D" pattern bowl. Easily attached to wall with concealed wall hangers furnished. Fitted complete with nickel-plated low down compression faucets with China tops marked "hot and cold." Nickel-plated 1½ inch "P" trap, supply pipes with flanges to wall. Nickel-plated chain and rubber stopper.

5-A-601. Complete as described with lead pipe connections.....**\$13.50**

5-A-603. Complete as described with iron pipe connections.....**\$14.00**

Size of Slab, 18x21 inches; bowl, 10½x14½ inches; height of back, 8 inches.

White porcelain enameled one-piece roll rim half circled lavatory with "D" pattern bowl. Easily hung with concealed wall hangers furnished. Fitted complete with two low down compression faucets with China tops marked "hot and cold." Nickel-plated 1½ inch "P" trap, supply pipes with flanges to wall. Nickel-plated chain and rubber stopper.

5-A-480. Complete as described with lead pipe connections.....**\$13.50**

5-A-482. Complete as described with iron pipe connections.....**\$13.75**

## The Product of America's Leading Makers



Massive Deep Apron Pedestal Lavatory

Size of Slab, 18x21 inches; bowl, 10½x14½ inches; height of back, 8 inches.

White porcelain enameled one-piece half circled deep apron lavatory with "D" pattern bowl. Quickly and easily attached to wall with concealed wall hangers furnished. Fitted complete with two low down compression faucets with China tops marked "hot and cold." Nickel-plated 1½ inch "S" trap, supply pipes with flanges to floor. Nickel-plated lifting waste with China index.

5-A-421. Complete as described with lead pipe connections.....**\$18.50**

5-A-423. Complete as described with iron pipe connections.....**\$19.00**

Size of Slab, 20x24 inches; oval bowl, 11x15 inches; height of lavatory, 31 inches.

White porcelain enameled one-piece pedestal lavatory with oval bowl. Supported on a massive, properly proportioned white enameled pedestal. Fitted complete with nickel-plated model lifting waste with China knob and two fuller faucets with China handles, "hot and cold." Nickel-plated offset air chamber, supply pipes and 1½ inch "P" trap to wall. This is an impressive lavatory and will give your bathroom a rich appearance.

5-A-98. Complete as described with iron pipe connections.....**\$39.50**

Size of Slab, 18x24 inches; bowl, 11x15 inches; height of back, 10 inches.

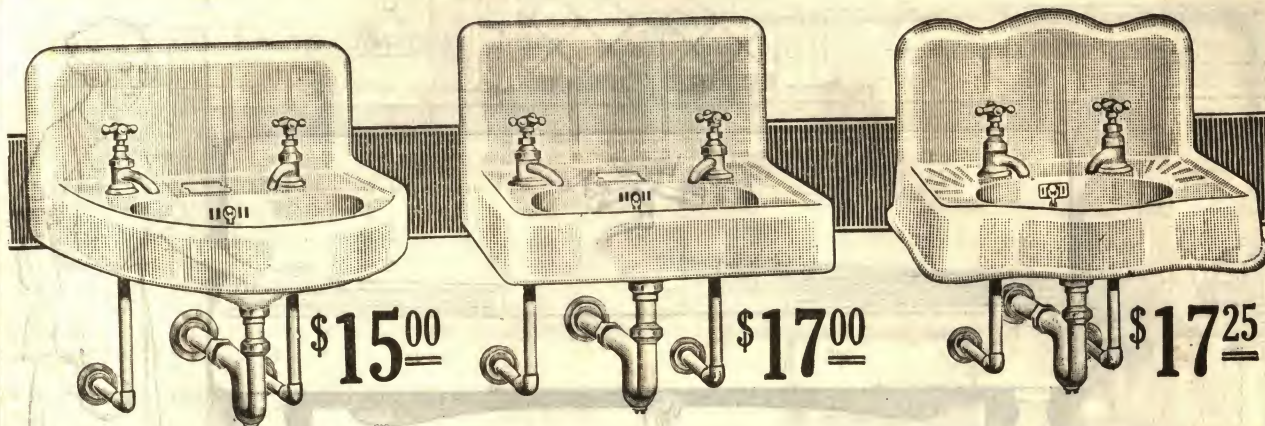
White porcelain enameled one-piece square deep apron lavatory with "D" pattern bowl quickly and easily attached to wall with concealed wall hangers furnished. Fitted complete with nickel-plated model lifting waste with China index and two compression faucets with China tops, marked "hot and cold." Nickel-plated 1½ inch "S" trap, supply pipes with flanges to floor.

5-A-441. Complete as described with lead pipe connections.....**\$20.50**

5-A-443. Complete as described with iron pipe connections.....**\$21.00**



# Priced Unusually Low for Big Economy



Size of Slab, 18x21 inches; bowl, 10½x14½ inches; height of back, 8 inches.

White porcelain enameled one-piece half circled deep apron lavatory with "D" pattern bowl. Quickly and easily attached to wall with concealed wall hangers furnished. Fitted complete with two nickel-plated low down compression faucets with China tops marked "hot and cold." 1½ inch nickel-plated "P" trap, supply pipes with flanges to wall. Nickel-plated chain and rubber stopper.

5-A-411. Complete as described with lead pipe connections.....\$15.00

5-A-413. Complete as described with iron pipe connections.....\$15.50

Size of Slab, 18x24 inches; bowl, 11x15 inches; height of back, 10 inches.

White porcelain enameled one-piece square deep apron lavatory with "D" pattern bowl. Easily attached to wall with concealed wall hangers furnished. Fitted complete with two nickel-plated compression faucets with China tops marked "hot and cold." 1½ inch nickel-plated "P" trap, supply pipes with flanges to wall. Nickel-plated chain and rubber stopper.

5-A-311. Complete as described with lead pipe connections.....\$17.00

5-A-313. Complete as described with iron pipe connections.....\$17.50

5-A-314. Lavatory size 20x24 inches with fittings as described above.....\$19.00

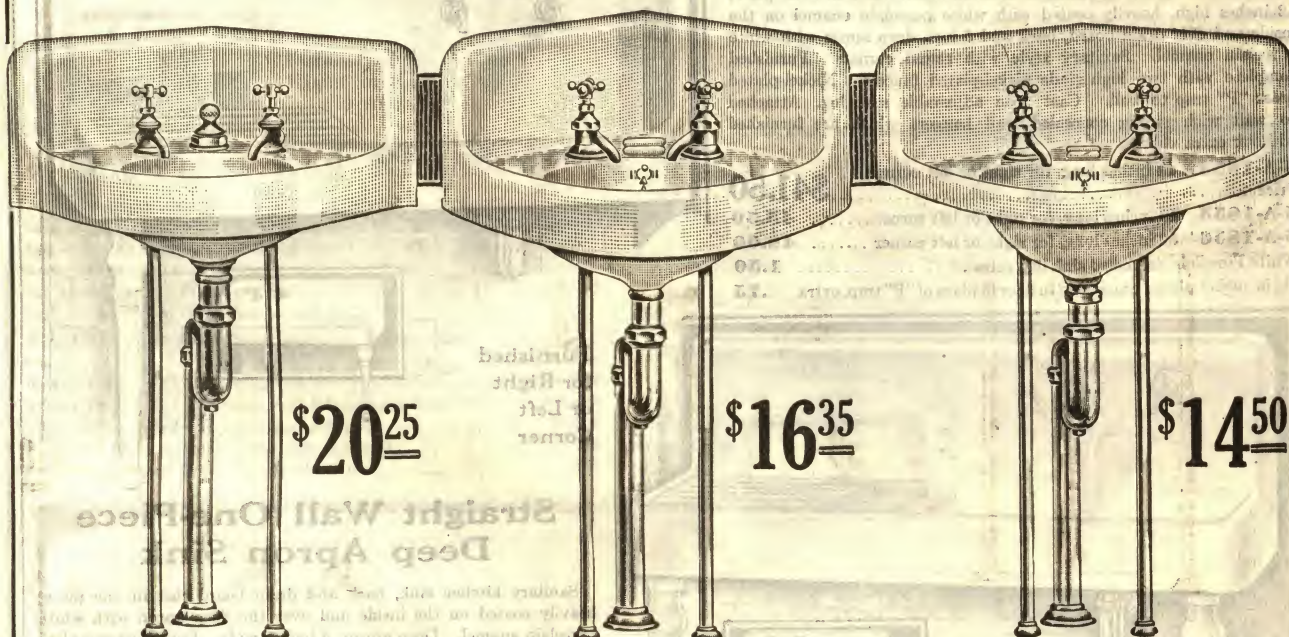
Size of Slab, 18x24 inches; bowl, 11x15 inches; height of back, 10 inches.

White porcelain enameled one-piece shapely serpentine deep apron lavatory with "D" pattern bowl. Easily attached to wall with concealed wall hangers furnished. Fitted complete with two nickel-plated compression faucets with China tops marked "hot and cold." 1½ inch nickel-plated "P" trap, supply pipes with flanges to wall. Nickel-plated chain and rubber stopper.

5-A-492. Complete as described with lead pipe connections.....\$17.25

5-A-494. Complete as described with iron pipe connections.....\$17.75

## Guaranteed in Every Way to Completely Satisfy



Length on sides, 20 inches; bowl, 11x15 inches; height of back, 8 inches.

White porcelain enameled one-piece deep apron corner lavatory with "D" pattern bowl. Supported on concealed wall hangers which are furnished. Fitted complete with nickel-plated model waste with China index and two compression faucets with China tops marked "hot and cold." 1½ inch nickel-plated "S" trap, supply pipes with flanges to floor.

5-A-641. Complete as described with lead pipe connections.....\$20.25

5-A-643. Complete as described with iron pipe connections.....\$20.75

Length on sides, 20 inches; bowl, 11x15 inches; height of back, 8 inches.

White porcelain enameled one-piece deep apron corner lavatory with "D" pattern bowl, quickly and easily attached to wall with concealed wall hangers furnished. Fitted complete with nickel-plated compression faucets with China tops marked "hot and cold." Nickel-plated 1½ inch "S" trap, supply pipes with flanges to floor. Nickel-plated chain and rubber stopper.

5-A-621. Complete as described with lead pipe connections.....\$16.35

5-A-623. Complete as described with iron pipe connections.....\$16.85

Length on sides, 18¾ inches; bowl, 10½x14½ inches; height of back, 6 inches.

White porcelain enameled one-piece roll rim corner lavatory with "D" pattern bowl. Supported on concealed wall hangers furnished. Fitted complete with nickel-plated low down compression faucets with China tops marked "hot and cold." Nickel-plated 1½ inch "S" trap, supply pipes with flanges to floor. Nickel-plated chain and rubber stopper.

5-A-611. Complete as described with lead pipe connections.....\$14.50

5-A-613. Complete as described with iron pipe connections.....\$15.00



# Beautiful One-Piece Kitchen Sinks



**Double Drainboard Deep Apron Style**

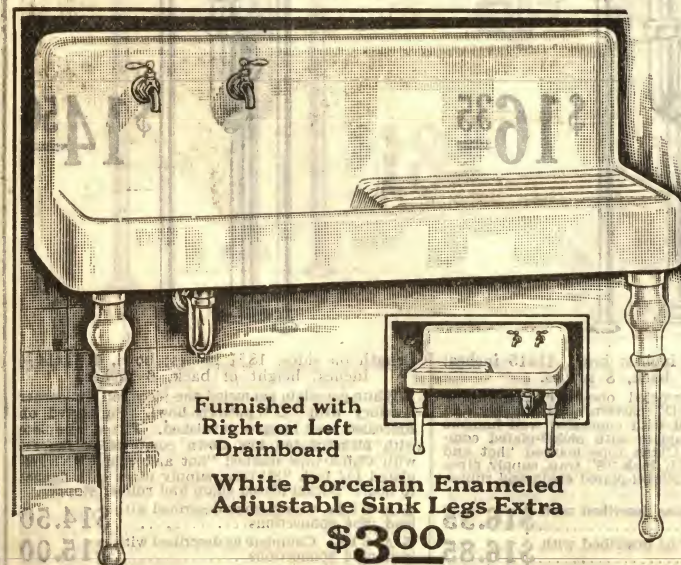
Elegant Kitchen Sink cast in one piece of finest quality gray iron Enameled all over with white porcelain enamel, fitted with nickel-plated swinging mixing faucet with porcelain China handles, indexed hot and cold and porcelain China soap dish, nickel-plated brass "P" trap, cast iron porcelain enameled adjustable sink legs. These sinks can be installed 36 inches from the floor.

<b>5-A-1840.</b> Double drainboard sink, 62 inches long, with fittings as described .....	<b>\$67.00</b>
<b>5-A-1841.</b> Double drainboard sink, 73 inches long, with fittings as described .....	<b>87.00</b>

## One-Piece Deep Apron Sink

Made in one piece, including sink, drain board, back and end piece, 12 inches high, heavily coated with white porcelain enamel on the inside and over drain board, back and 5 inch deep apron with white porcelain enamel. Sanitary style with round corners. Furnished complete with two high grade nickel-plated faucets. Nickel-plated brass "P" trap to wall. Cast iron adjustable sink leg. Attached to wall with strong concealed wall hangers which are furnished without extra charge.

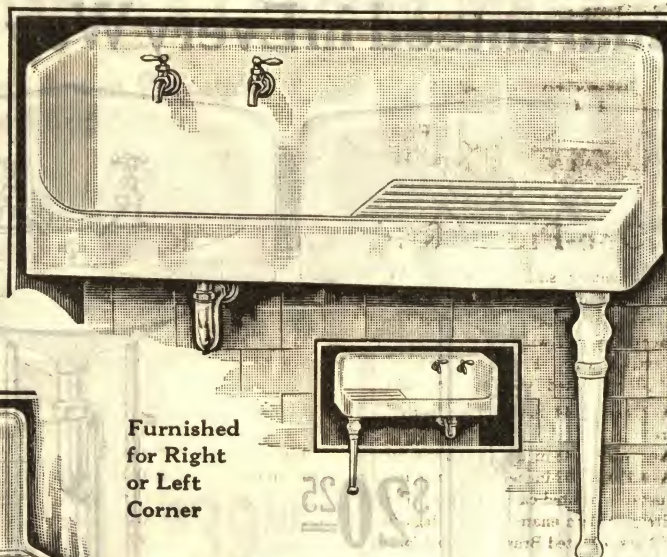
<b>5-A-1853.</b> 44 inches long, for right or left corner.	
Price .....	<b>\$41.50</b>
<b>5-A-1855.</b> 48 inches long, for right or left corner .....	<b>45.50</b>
<b>5-A-1856.</b> 52 inches long, for right or left corner .....	<b>48.00</b>
White Porcelain enameled sink leg, extra .....	<b>1.50</b>
1½ in. nickel-plated brass trap to floor in place of "P" trap, extra	<b>.75</b>



**Furnished with Right or Left Drainboard**

**White Porcelain Enameled Adjustable Sink Legs Extra**

**\$3.00**



**Furnished for Right or Left Corner**

## Straight Wall One-Piece Deep Apron Sink

Sanitary kitchen sink, back and drain board cast in one piece heavily coated on the inside and over the deep apron with white porcelain enamel. Deep apron, 5 inches wide. Furnished complete with two high grade nickel-plated faucets. Nickel-plated brass "P" trap to wall and two cast iron adjustable sink legs. Attached to the wall with strong concealed wall hangers, furnished without extra charge.

<b>5-A-1846.</b> 44 inches long, with left or right drain board .....	<b>\$38.50</b>
<b>5-A-1848.</b> 48 ins. long, with left or right drain board ..	<b>44.75</b>
<b>5-A-1850.</b> 52 ins. long, with left or right drain board ..	<b>46.00</b>
1½ in. nickel-plated brass trap to floor in place of "P" trap, extra .....	<b>.75</b>



# Latest Sanitary Decorative Models

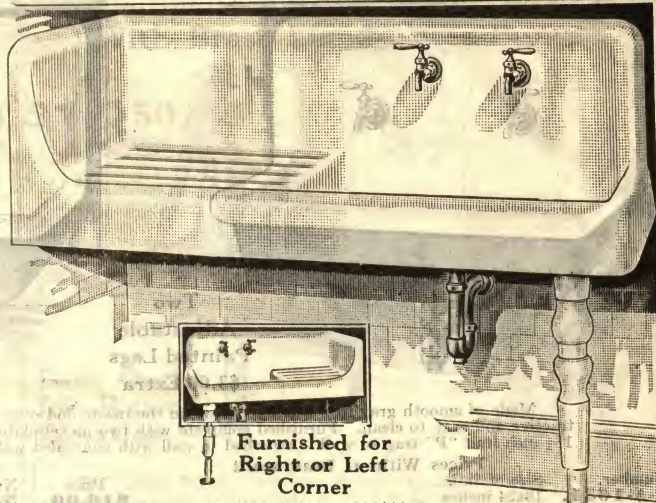
## One-Piece Deep Apron Sink

An elegant kitchen sink with deep apron, back, drain board and end piece, cast in one piece. An impressive design, neat and easily cleaned—no corners or cracks to hold the grease and dirt.

Supported on adjustable painted legs, and firmly attached by concealed wall hangers.

Furnished complete with nickel-plated improved strainer,  $\frac{1}{2}$  in. Fuller flange bibbs,  $1\frac{1}{2}$  in. nickel plated brass trap to wall I. P. conn., and one cast iron adjustable sink leg. Three sizes, furnished with right or left end piece. Be sure to state whether right or left style is wanted when you order.

<b>5-A-1854.</b> 44 inches long, with right or left end piece.	<b>\$41.50</b>
Price.....	
<b>5-A-1857.</b> 48 inches long, with right or left end piece....	<b>\$45.50</b>
<b>5-A-1858.</b> 52 inches long, with right or left end piece....	<b>48.00</b>
$1\frac{1}{2}$ " Nickel Plated Brass trap to floor, extra.....	<b>.75</b>
White porcelain enameled cast iron sink leg, extra.....	<b>\$1.50</b>

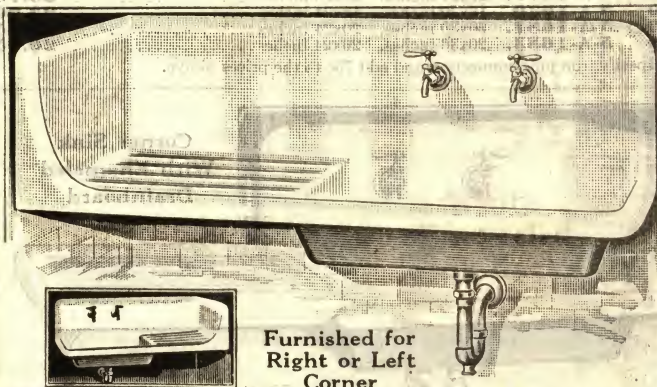


Furnished for  
Right or Left  
Corner

## Roll Rim Model One-Piece Corner Sink

Splendid kitchen sink, sanitary and easy to keep clean—a roll rim sink with back drain board and end piece, all cast in one piece, heavily coated with white porcelain enamel. Furnished complete with concealed wall hangers, nickel plated improved strainer,  $\frac{1}{2}$  inch nickel plated Fuller flange bibbs, and  $1\frac{1}{2}$ " Nickel Plated Brass trap to wall I. P. conn. Furnished in three sizes with right or left end piece.

<b>5-A-1797.</b> 44 inches long, with right or left end piece.	<b>\$31.75</b>
Price.....	
<b>5-A-1798.</b> 48 inches long, with right or left end piece....	<b>\$33.50</b>
<b>5-A-1799.</b> 52 inches long, with right or left end piece....	<b>35.30</b>
Adjustable painted leg. Each.....	<b>1.50</b>
White porcelain enameled sink legs, each.....	<b>3.00</b>
$1\frac{1}{2}$ " Nickel Plated Brass trap to floor, extra.....	<b>.75</b>



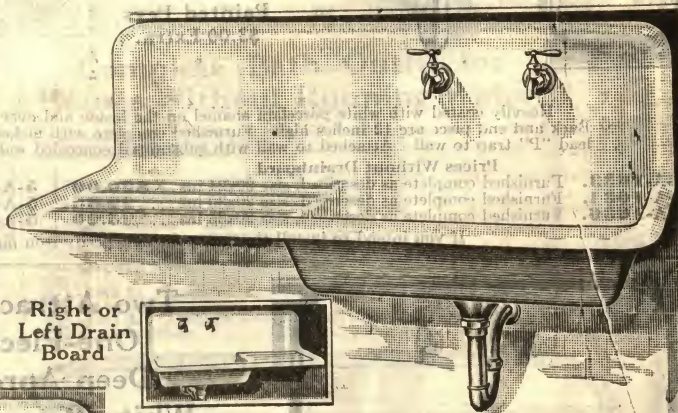
Furnished for  
Right or Left  
Corner

## One-Piece Roll Rim Sink

This popular sink features all that is best in a combination sink, back and drain board cast in one piece. Heavily coated on the inside and over the back and wide roll rim with white porcelain enamel. Attached to wall with strong concealed wall hangers, furnished with our extra charge. Fitted complete with two nickel plated faucets and  $1\frac{1}{2}$ " Nickel Plated Brass trap to wall I. P. conn.

<b>5-A-1791.</b> 44 inches long, with left or right drain board.....	<b>\$23.50</b>
<b>5-A-1793.</b> 48 inches long, with left or right drain board....	<b>\$27.00</b>
<b>5-A-1795.</b> 52 inches long, with left or right drain board....	<b>29.00</b>
Adjustable painted cast iron legs. Per pair.....	<b>3.00</b>
White porcelain enameled sink legs, per pair.....	<b>6.00</b>
$1\frac{1}{2}$ " Nickel Plated Brass trap to floor, extra.....	<b>.75</b>

Right or  
Left Drain  
Board

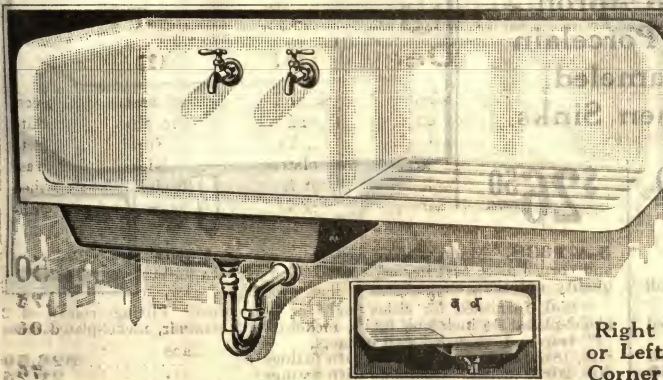


## One-Piece Corner Sink

Heavily coated with white porcelain enamel. Made in one piece. Furnished complete with two nickel plated faucets and  $1\frac{1}{2}$ " Nickel Plated Brass trap to wall I. P. conn. Quickly and easily attached to wall with strong concealed wall hangers which are furnished without extra charge.

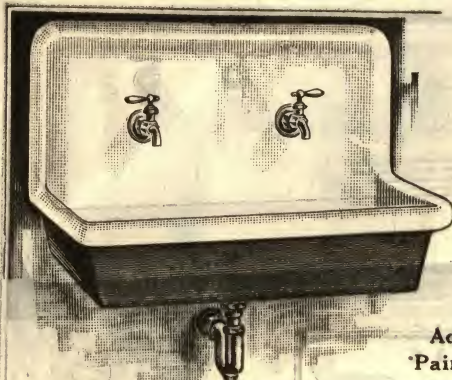
<b>5-A-1792.</b> 44 inches long, for right or left corner....	<b>\$31.50</b>
<b>5-A-1794.</b> 48 inches long, for right or left corner....	<b>\$33.25</b>
<b>5-A-1796.</b> 52 inches long, for right or left corner....	<b>35.00</b>
Adjustable painted cast iron legs. Each.....	<b>1.50</b>
White porcelain enameled sink leg, each.....	<b>3.00</b>
$1\frac{1}{2}$ " Nickel Plated Brass trap to floor, extra.....	<b>.75</b>

Right  
or Left  
Corner

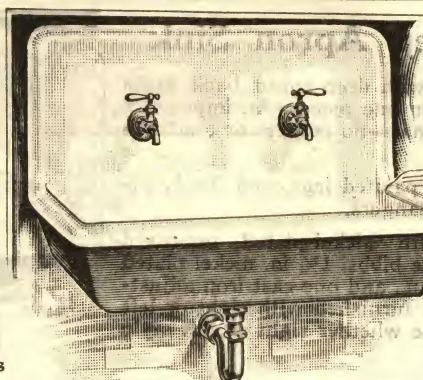




# Uncommon Values in Kitchen Sinks



Two  
Adjustable  
Painted Legs  
\$3.00 Extra



One-Piece Sink  
Fitted With  
Enameled  
Drainboard

Made of smooth gray iron heavily coated on the inside and over the rim and back with white porcelain enamel; very neat, attractive and easy to clean. Furnished complete with two nickel-plated  $\frac{1}{2}$  inch flanged plain faucets, nickel-plated sink strainer and  $1\frac{1}{2}$  inch lead "P" trap to wall. Attached to wall with concealed wall hangers.

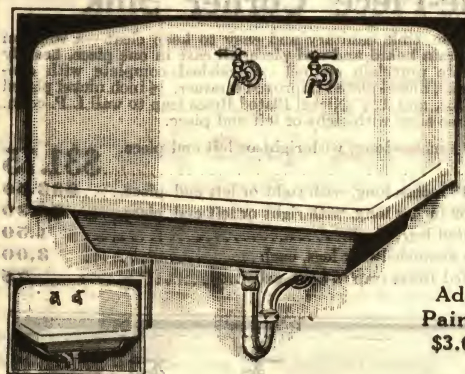
## Prices Without Drainboard

Number.	Size of Sink.	Price
5-A-1631.	18x24 inches.....	\$16.00
5-A-1632.	20x24 inches.....	17.50
5-A-1635.	18x30 inches.....	17.00
5-A-1639.	20x30 inches.....	18.00
5-A-1643.	20x36 inches.....	20.00

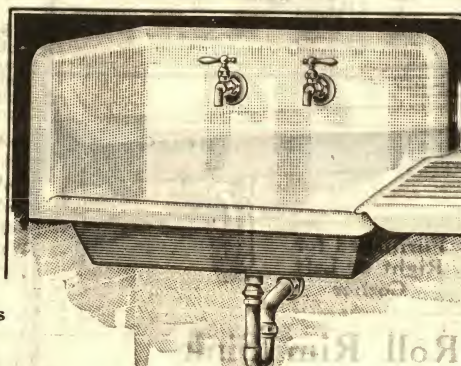
## Complete With Drainboard

Number.	Size of Sink.	Size of Drainboard	Price.
5-A-1675.	18x24 inches.	18x20 inches.....	\$21.10
5-A-1677.	20x24 inches.	20x20 inches.....	23.75
5-A-1679.	18x30 inches.	18x24 inches.....	23.00
5-A-1681.	20x30 inches.	20x24 inches.....	24.25
5-A-1683.	20x36 inches.	20x24 inches.....	26.25

If you intend to install the sink yourself, specify iron pipe connection and add 75c to the prices above.



Two  
Adjustable  
Painted Legs  
\$3.00 Extra.



Corner Sink  
With Enameled  
Drainboard

Heavily coated with white porcelain enamel on the inside and over the rim and back; no crevices or corners to catch the dirt. Back and end piece are 12 inches high. Furnished complete with nickel-plated strainer,  $\frac{1}{2}$  inch nickel-plated faucets and  $1\frac{1}{2}$  inch lead "P" trap to wall. Attached to wall with substantial concealed wall hangers.

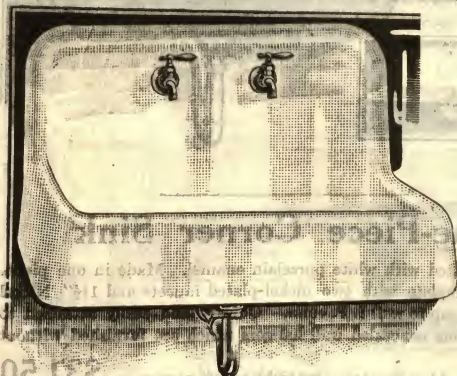
## Prices Without Drainboard

5-A-1633.	Furnished complete as described, size 20x24 ins.	\$20.00
5-A-1634.	Furnished complete as described, size 20x30 ins.	22.35
5-A-1636.	Furnished complete as described, size 20x36 ins.	25.20

## Complete With Drainboard

5-A-1676.	Furnished complete as described, size 20x24 ins.	\$26.30
5-A-1680.	Furnished complete as described, size 20x30 ins.	28.65
5-A-1682.	Furnished complete as described, size 20x36 ins.	31.50

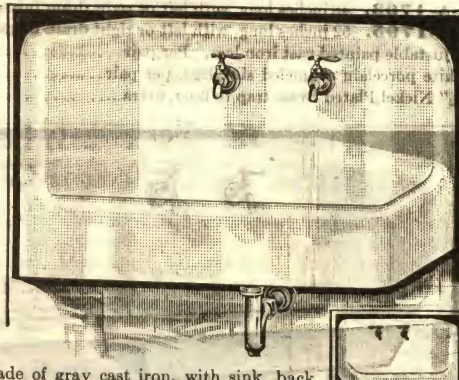
If you intend to install the sink yourself, specify iron pipe connection and add 75c to prices above.



Two Attractive  
One-Piece  
Deep Apron  
White Porcelain  
Enameled  
Kitchen Sinks

\$21<sup>50</sup>

\$26<sup>50</sup>



5-A-1637. Sink Apron, and back all cast in one piece. Enameled all over with finest quality white porcelain enamel.

Sink furnished with two nickel-plated  $\frac{1}{2}$  inch sink bibbs, nickel-plated brass trap to wall, nickel-plated strainer, concealed wall hangers.

Size, 18x30 inches. Complete with fittings.....\$21.50

Size, 20x30 inches. Complete with fittings.....24.50

5-A-1638. Made of gray cast iron, with sink, back and corner piece cast in one, coated all over with finest quality porcelain enamel.

Sink furnished for either right or left corner. Fittings consist of 2 nickel-plated  $\frac{1}{2}$  inch sink bibbs, nickel-plated strainer, nickel-plated brass "P" trap and concealed wall hangers.

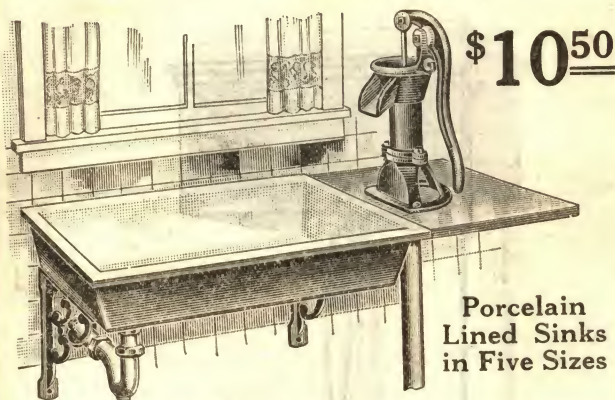
Size, 18x30 inches. Complete with fittings.....\$26.50

Size, 20x30 inches. Complete with fittings.....27.75



# Kitchen Sink Outfits and Accessories

## Complete Kitchen Sink Outfit With Pitcher Spout Pump



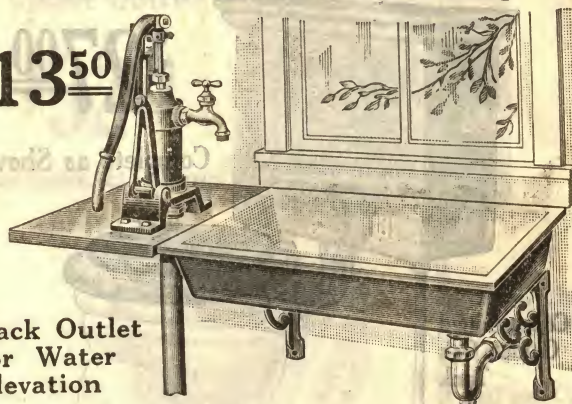
**\$10<sup>50</sup>**

**Porcelain  
Lined Sinks  
in Five Sizes**

This kitchen sink outfit is identically the same as the one opposite except that we furnish a brass lined pitcher spout pump fitted for 1 in. iron pipe connection.

5-A-1601. Outfit complete with 18 in. x 30 in. sink with iron pipe connection.....	<b>\$10.50</b>
5-A-1604. Outfit complete with 18 in. x 36 in. sink with iron pipe connection.....	<b>\$12.15</b>
5-A-1605. Outfit complete with 20 in. x 30 in. sink with iron pipe connection.....	<b>\$11.35</b>
5-A-1607. Outfit complete with 20 in. x 36 in. sink with iron pipe connection.....	<b>\$13.30</b>
5-A-1609. Outfit complete with 20 in. x 40 in. sink with iron pipe connection.....	<b>\$15.60</b>

## Complete Kitchen Sink Outfit With Brass Lined Force Pump

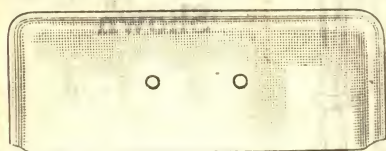


**\$13<sup>50</sup>**

**Back Outlet  
for Water  
Elevation**

High grade flat rim cast iron porcelain lined sink fitted with nickel plated strainer and 1 1/2 in. lead "P" trap with outlet to wall, fitted for 1 1/2 in. iron pipe connection. Sink has two brackets. Force pump is made with 2 1/2 in. brass lined cylinder with air chamber, insuring a steady flow of water; Pump is fitted for 1 1/2 in. suction pipe. Back outlet of pump fitted for 1 in. pipe, to elevate water to floors above. Attach hose to faucet for sprinkling or fire protection. Pump board not included.

5-A-1621. Kitchen sink outfit complete with sink size 18 in. x 30 in. with iron pipe connections.....	<b>\$13.50</b>
5-A-1623. Kitchen sink outfit complete with sink size 18 in. x 36 in. with iron pipe connections.....	<b>\$15.25</b>
5-A-1625. Kitchen sink outfit complete with sink size 20 in. x 30 in. with iron pipe connections.....	<b>\$14.45</b>

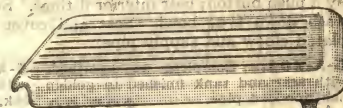


**White  
Enameled  
Sink Backs**

5-A-1718. Designed for use with flat rim sinks drilled for two faucets. Size 12 in. high and 2 1/4 in. deep.

Size 24 in. long.....	<b>\$3.85</b>	Size 36 in. long.....	<b>\$6.15</b>
Size 30 in. long.....	<b>4.20</b>	Size 40 in. long.....	<b>6.75</b>

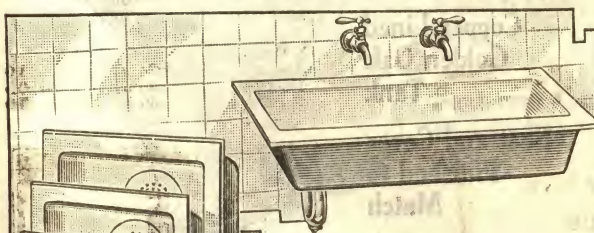
**White  
Enameled  
Drain Boards**



5-A-1780. Interchangeable and can be used on either end of sink. Furnished complete with cast iron bracket.

SIZES AND PRICES	
18 x 18 inches.....	<b>\$5.35</b>
18 x 20 inches.....	<b>5.75</b>
18 x 24 inches.....	<b>6.15</b>
20 x 20 inches.....	<b>6.50</b>
20 x 24 inches.....	<b>6.65</b>

## Flat Rim Cast Iron Sinks Painted or White Enameled



### Serviceable Sinks

These high grade flat rim cast iron sinks are furnished with the inside painted or coated with white porcelain enamel over rim. Complete with nickel-plated strainer, iron sink collar and bolts. Collar can also be fitted for 1 1/2 in. or 1 1/4 in. iron pipe connection if desired. If iron pipe connections are wanted for these sinks, add 25c to the prices below.

#### Painted Sinks

5-A-1701. Size 18x24..	<b>\$3.35</b>
5-A-1702. Size 18x30..	<b>3.55</b>
5-A-1703. Size 18x36..	<b>4.20</b>
5-A-1704. Size 20x30..	<b>4.00</b>
5-A-1705. Size 20x36..	<b>4.70</b>
5-A-1706. Size 20x40..	<b>5.40</b>

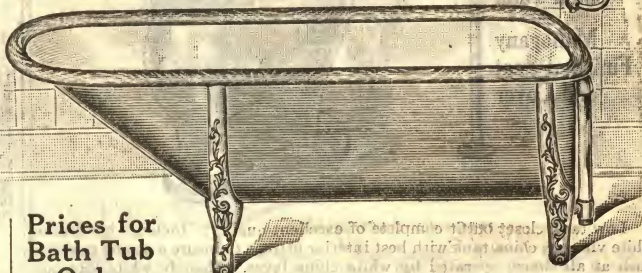
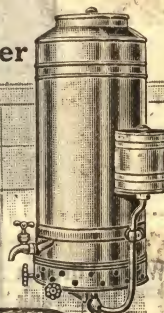
#### Enameled Sinks

5-A-1709. Size 18x24..	<b>\$6.00</b>
5-A-1710. Size 18x30..	<b>5.80</b>
5-A-1711. Size 18x36..	<b>8.15</b>
5-A-1712. Size 20x30..	<b>6.45</b>
5-A-1713. Size 20x36..	<b>9.25</b>
5-A-1714. Size 20x40..	<b>12.25</b>

## Complete Bath Outfit for Homes Without Running Water

Composed of a high grade gaso-line water heater with copper bottom and water coil. Sufficient water for bath heated in fifteen minutes. Tub furnished is made of heavy steel smoothly coated on the inside and capped with nicely finished oak top rim. Cast iron legs; equipped with connected waste and overflow fitted for 1 1/2 in. pipe.

5-A-1811. Complete with tub 4 1/2 ft. long for iron pipe connection.....	<b>\$26.00</b>
5-A-1813. Complete with tub 5 ft. long for iron pipe connection.....	<b>\$26.25</b>



### Prices for Bath Tub Only

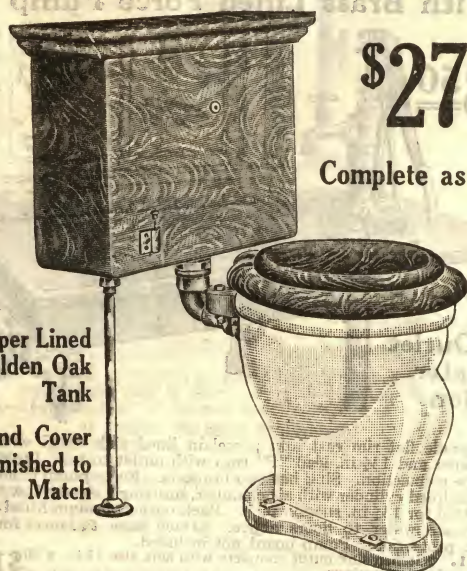
5-A-1801. Tub only 4 ft. 6 in. long. Each.....	<b>\$10.85</b>
5-A-1803. Tub only, 5 ft. long. Each.....	<b>11.25</b>
5-A-1805. Tub only, 5 ft. 6 in. long. Each.....	<b>11.70</b>
5-A-1807. Tub only, 6 ft. long. Each.....	<b>12.35</b>

If Fuller double bath cock to fit tub is wanted, add \$3.30. If nickel-plated 1/2 inch supplies for iron pipe connections are wanted, add, per pair, \$2.00



# High and Low Tank Closet Outfits

## Wash Down Type Closet Outfit



**\$27<sup>00</sup>**

Complete as Shown

Copper Lined  
Golden Oak  
Tank

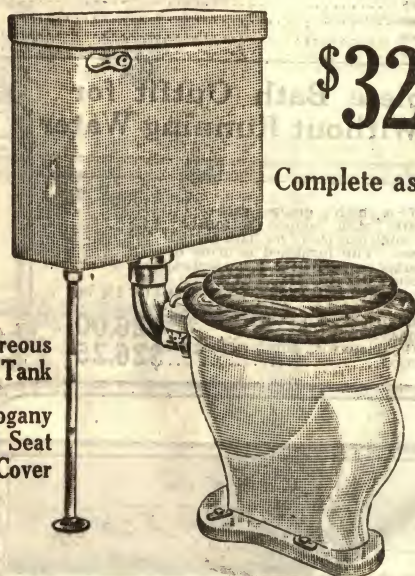
Seat and Cover  
Finished to  
Match

Low tank closet outfit complete of dependable quality. Includes high grade tank finished in either polished golden oak or rich mahogany as desired; lined with heavy copper and fitted with rubber ball valve, which is operated by a push button; best interior fittings. Smooth white vitreous earthenware wash down type bowl. Seat and cover finished to match tank; nickel-plated elbow and supply pipe.

**5-A-801.** Complete as described, with seat and tank finished in golden oak, for lead pipe connections..... **\$27.00**

**5-A-803.** Complete as described, with seat and tank finished in golden oak, for iron pipe connections..... **\$27.50**

## Wash Down Type Closet Outfit



**\$32<sup>00</sup>**

Complete as Shown

White Vitreous  
China Tank

Mahogany  
Finished Seat  
and Cover

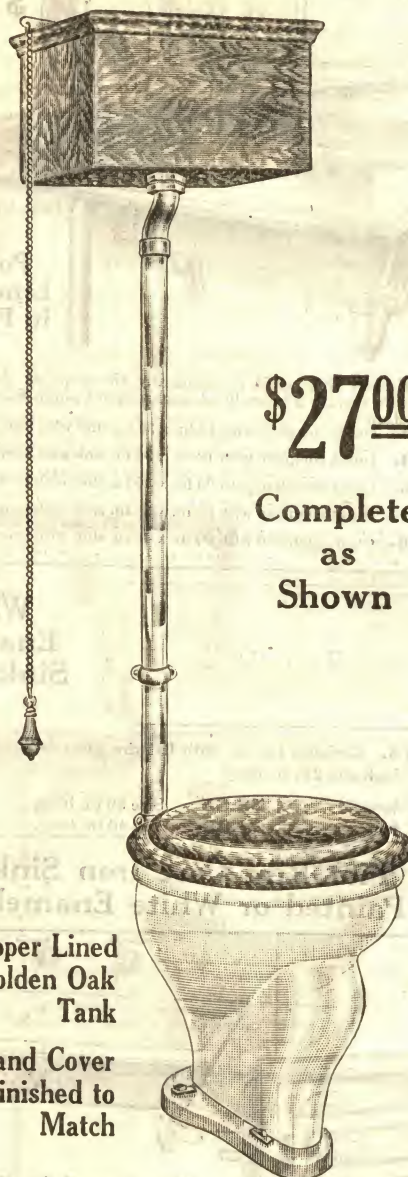
Low tank closet outfit complete of excellent quality. Includes handsome white vitreous china tank with best interior fittings to insure a strong positive flush at all times; operated by white china lever. Shapely white vitreous earthenware wash down closet bowl glazed inside and out. Seat and cover finished in rich mahogany attached to bowl with heavy nickel-plated offset hinges. Nickel-plated elbow and supply pipe.

**5-A-1001.** Complete as described, with rich mahogany seat and cover; for lead pipe connections..... **\$32.00**

**5-A-1003.** Complete as described, with seat and cover finished in rich mahogany, for iron pipe connections..... **\$32.50**

## Wash Down Type Closet Outfit

Top or Bottom Supply



**\$27<sup>00</sup>**

Complete  
as  
Shown

Copper Lined  
Golden Oak  
Tank

Seat and Cover  
Finished to  
Match

Top supply high tank closet outfit complete offering substantial value. Includes highly finished golden oak tank lined with heavy copper; fitted with an improved valve insuring a strong flush; operated by nickel-plated chain. White vitreous earthenware wash down type closet bowl of neat pattern. Golden oak seat and cover finished to match tank attached to bowl with heavy nickel-plated offset hinges. One and a quarter inch nickel-plated flush pipe and 1 1/4 inch N. P. elbow, to connect flush pipe to bowl.

**5-A-1101.** Complete as described; for lead pipe connections..... **\$27.00**

**5-A-1103.** Complete as described, for iron pipe connections..... **\$27.50**

## Furnished with Bottom Supply High Tank

The high tank closet outfit above is also furnished for bottom supply, complete with heavy copper-lined, highly polished golden oak tank, wash down type, white vitreous earthenware closet bowl fitted with seat and cover finished to match tank and equipped with 1 1/4 inch nickel-plated offset hinges, and a quarter inch nickel-plated flush pipe from tank to floor.

**5-A-1111.** Complete as described, for bottom supply with lead pipe connections..... **\$28.00**

**5-A-1113.** Complete as described, for bottom supply with iron pipe connections..... **\$28.50**



# Priced Very Low for Big Economy!

## Syphon Jet Type Closet Outfit Top or Bottom Supply



**\$32<sup>00</sup>**

**Complete  
as  
Shown**



**Copper Lined  
Golden Oak  
Tank**

**Seat and Cover  
Finished to  
Match**

Top supply high tank closet outfit complete of improved design. Includes heavy copper lined highly finished golden oak tank equipped with latest improved valve and operated by a nickel-plated chain puller. Latest pattern Syphon jet bowl made of white vitreous earthenware highly glazed both inside and out. Seat and cover in golden oak finished to match the tank and attached to bowl with heavy nickel-plated offset hinges. 1 1/2-inch nickel-plated flush pipe.

**5-A-1201.** Complete as described with lead pipe connections..... **\$32.00** **5-A-1203.** Complete as described with iron pipe connections..... **\$32.50**

### Furnished with Bottom Supply High Tank

The high tank closet outfit above is also furnished for bottom supply, complete with heavy copper-lined highly polished golden oak tank. Syphon jet type bowl fitted with seat and cover finished to match tank and equipped with 1 1/2-inch nickel-plated flush pipe from tank to bowl; 1/2-inch nickel-plated supply pipe from tank to floor.

**5-A-1211.** Complete as described for bottom supply with lead pipe connections..... **\$33.00** **5-A-1215.** Complete as described for bottom supply with iron pipe connections..... **\$33.50**

## Syphon Jet Type Closet Outfit

**\$32<sup>00</sup>**

**Complete as Shown**



**Copper Lined  
Golden Oak  
Tank**

**Seat and Cover  
Finished to  
Match**

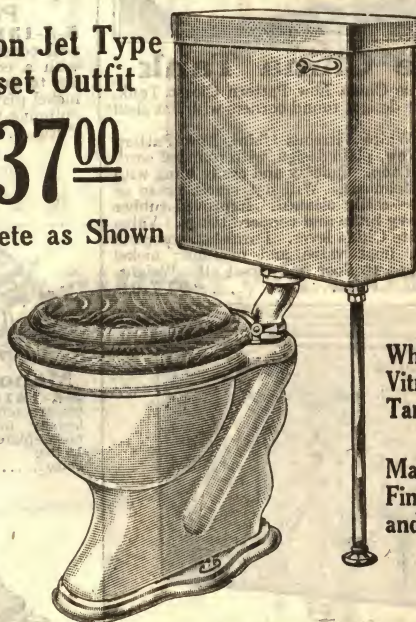
Low tank closet outfit complete of improved design. Includes finest tank highly finished in either polished golden oak or rich mahogany; lined with heavy copper and fitted with best improved valve, insuring a strong flush of water with a light touch of the push button. Latest pattern white vitreous earthenware Syphon jet closet bowl. Seat and cover finished to match tank; attached to bowl with heavy nickel-plated offset hinges. Nickel-plated offset and supply pipe.

**5-A-811.** Complete as described with golden oak tank and seat for lead pipe connections..... **\$32.00** **5-A-813.** Complete as described with golden oak tank and seat for iron pipe connections..... **\$32.50**

## Syphon Jet Type Closet Outfit

**\$37<sup>00</sup>**

**Complete as Shown**



**White  
Vitreous China  
Tank**

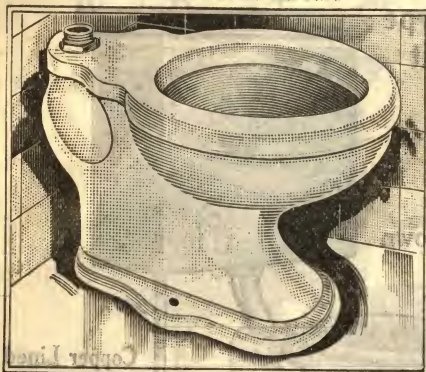
**Mahogany  
Finished Seat  
and Cover**

Low tank closet outfit complete of finest quality. Includes beautiful highly polished white vitreous china tank; easily kept clean. Fitted with latest improved rubber ball valve flush system made with fittings of heavy brass and copper; positive flush to bowl with light pressure on white china handle. White vitreous earthenware improved Syphon jet bowl glazed both inside and out. Rich mahogany finished seat and cover attached to bowl with heavy nickel-plated offset hinges. Nickel-plated offset and supply pipe.

**5-A-1021.** Complete as described with lead pipe connections..... **\$37.00** **5-A-1023.** Complete as described with iron pipe connections..... **\$37.50**



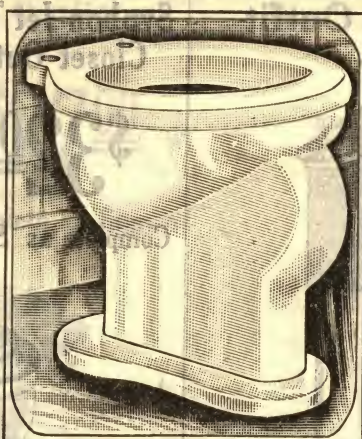
# Closet Bowls—Tanks and Seats



## Syphon Jet Bowl

Syphon Jet Closet Bowl for low and high tank outfits. Made of finest grade of Vitreous earthenware with highly glazed white finish inside and out. Most sanitary type, easily kept clean. Weight, about 60 pounds.

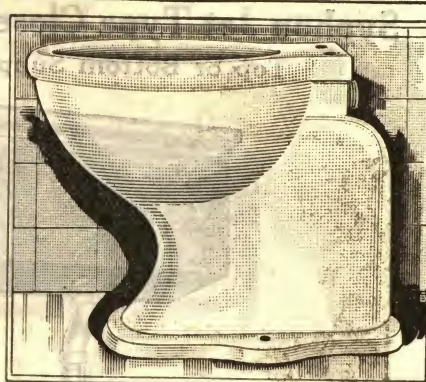
**5-A-1303.** With 2 inch spud for low closet tanks. Price.....**\$17.50**  
**5-A-1307.** With 1½ inch spud for high closet tanks. Price.....**\$17.50**



## Syphon Action Bowl

Syphon action wash down closet bowls for low and high tank outfits. Made of the best grade of Vitreous earthenware, with highly glazed finish, sanitary and easily kept clean. Weight about 50 lbs.

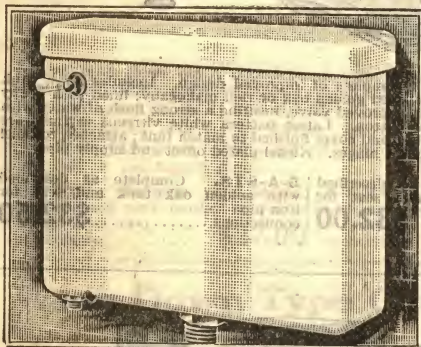
**5-A-1301.** With 2 in. spud for low closet outfits.....**\$13.00**  
**5-A-1305.** With 1½ in. spud for high closet outfits.....**\$13.00**



## Reverse Trap Bowl

Improved design wash-down Closet Bowl with reverse trap made of the highest grade Vitreous earthenware, finished with a high glaze. The design and construction of these bowls is considered the most sanitary closet bowls manufactured. Weight, 50 pounds.

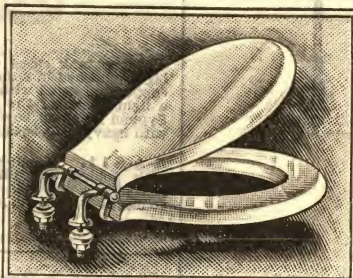
**5-A-1304.** With 2 inch spud for low closet tanks. Price.....**\$14.00**  
**5-A-1306.** With 1½ inch spud for high closet tanks. Price.....**\$14.00**



## White China Tank

White Vitreous China Low Pattern Closet Tank. New, plain front design, round corners with flat shelf top.

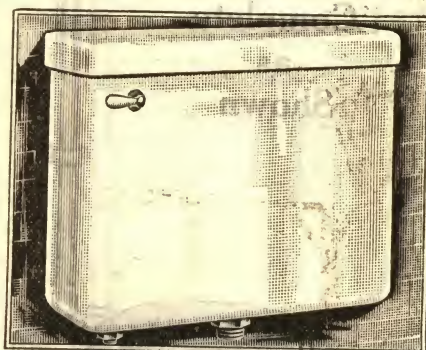
**5-A-1336.** White Vitreous China Low Pattern Closet Tank. New, plain design, with rounded corners and flat shelf top. Quickly and easily hung with patent wall attachment. Will not crack, craze or leak—no linings—easily cleaned. Improved rubber ball valve. Heavy brass and copper fittings. Valve operated by white China lever. Furnished complete with ball cock, float valve and overflow; nickel plated supply pipe to floor and closet ell. Weight, about 60 pounds. Price.....**\$17.00**



## Pearl White Seat

**5-A-1310.** These seats are exceptionally well constructed of hardwood and coated with a composition which is guaranteed not to chip or turn color. Furnished with nickel plated bar hinge of heavy cast brass. Shipping wt., 15 lbs.

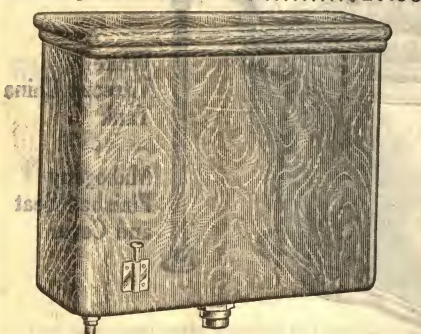
Price.....**\$7.00**



## Cast Iron White Tank

**5-A-1334.** These tanks are made of a heavy gray iron casting, coated with white porcelain enamel inside and out. They are unquestionably the most durable closet tank manufactured. Valve is operated with a China lever in front of the tank. Furnished with submerged ball cock, copper float valve and overflow, nickel plated supply pipe to floor and nickel plated closet ell.

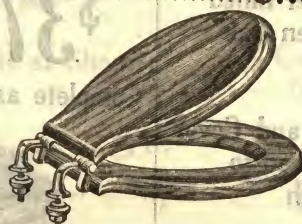
Weight, about 90 pounds. Price.....**\$16.00**



## Oak Closet Tank

**5-A-1325.** Made of golden oak, highly polished, nickel plated push button. Fitted complete with Douglas pattern valve. Lined to water level with heavy sheet copper, capped off with heavy galvanized iron. Complete with ½ inch nickel plated supply pipe and nickel plated floor flange. Shipping weight about 45 lbs. 8 gallons.

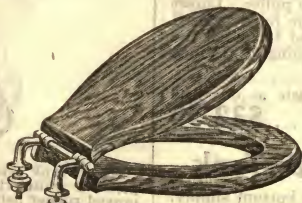
Low Wood Tank, complete. Price.....**\$12.00**



## Mahogany Finished Seat

**5-A-1312.** Seat made of birch heavily constructed and reinforced. Beautiful Mahogany finish, furnished with cast brass nickel-plated bar hinge. Shipping Weight 15 lbs.

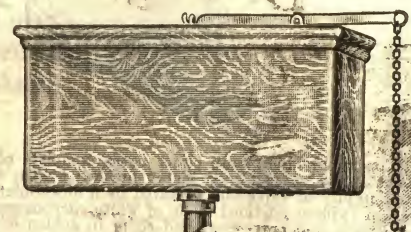
Price.....**\$3.50**



## Oak Closet Seat

**5-A-1311.** Made of selected Oak heavily constructed and reinforced. Finished with a beautiful Golden Oak finish. Furnished with heavy cast brass nickel-plated bar hinge. Shipping weight 15 lbs.

Price.....**\$3.40**



## High Closet Tanks

Top or Bottom Supply

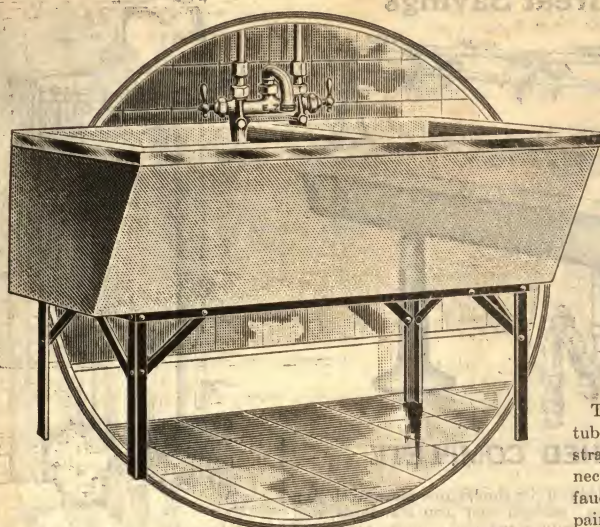
Made of the best golden oak, highly polished. Attached to wall by concealed wall hangers. Furnished with nickel plated chain and pull. Lined with heavy sheet copper, nickel plated flush pipe connection. Weight about 30 lbs.

**5-A-1315.** High Tank Complete Price, bottom supply.....**\$8.50**

**5-A-1317.** Tank, same as above. Price, top supply.....**\$8.50**



# Composition Stoneware Laundry Tubs

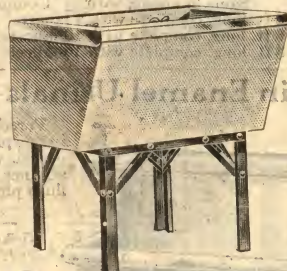
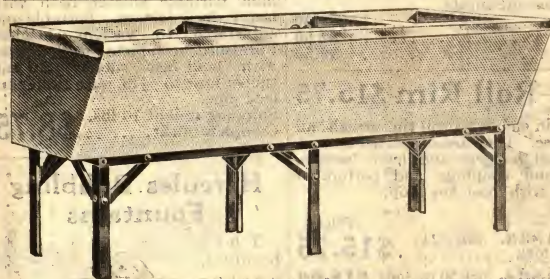


These laundry tubs are smoothly moulded in one solid piece from a composition of Portland cement and crushed granite. All designs with and without backs are made with rounded corners—sanitary and easily kept clean. They are fitted with a rust-proof metal top rim to protect them against chipping. Fitted complete with brass strainer, rubber plug and waste connection cast in the tub, which prevents leaky connections supported by painted steel stand. Polished brass  $\frac{1}{2}$  in. plain flanged wash tray bibbs are furnished. We will furnish  $1\frac{1}{2}$ " nickel plate brass P trap to wall. I P conn. for \$1.50 extra.

## 2-Part Tubs

Two-part composition laundry tub fitted complete with brass strainer, rubber plugs, waste connection and improved mixing faucet opposite; supported by painted steel stand.

Order No.	Length inches	Width inches	Depth inches	Weight pounds	Price
5-A-1907	48	24	16	400	\$20.25
5-A-1908	54	24	16	450	22.85
5-A-1909	60	24	16	475	24.85



## 3-Part Laundry Tubs

Three-part composition laundry tub fitted complete with brass strainers, rubber plugs, waste connections and three pair of polished brass  $\frac{1}{2}$ -in. flanged wash tray bibbs; supported by painted steel stand.

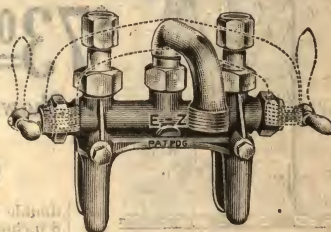
Order No.	Length inches	Width inches	Depth inches	Weight pounds	Price
5-A-1913	72	24	16	600	\$26.70

## Single Laundry Tub

Single composition laundry tub fitted complete with brass strainer, rubber plug, waste connection and one pair of polished brass,  $\frac{1}{2}$ -in. flanged wash tray bibbs; supported by painted steel stand.

Order No.	Lg. ins.	Wd. ins.	Dp. ins.	Wt. lbs.	Price
5-A-1901	25	24	16	200	\$11.25
5-A-1902	27	24	16	225	11.90
5-A-1903	31	24	16	250	12.60

## Mixing Faucet



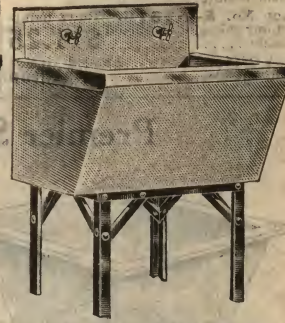
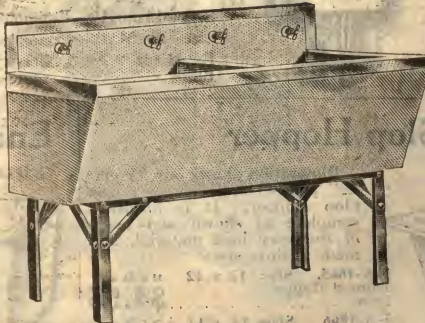
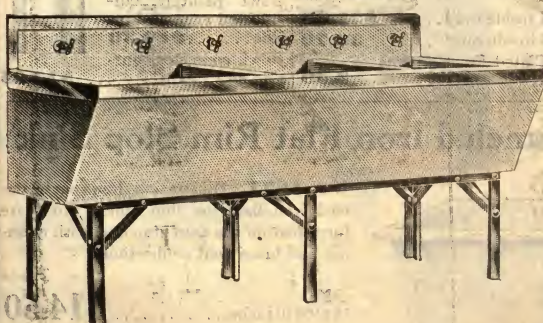
No. 5-A-1917. Laundry tub water mixing faucet with swinging spout which mixes water to right temperature and distributes the flow to both compartments. Makes installation of your laundry tubs quick and economical; saves at least 6 hours in installation time and more than its cost in fittings alone.  
Price each.....\$5.00

## Angle Steel Stand



Neat strong folding angle steel stands are furnished with all of our laundry tubs—a decided improvement over the shaky, unsightly old style cast-iron legs. Your laundry tub set on this improved base will stand solid and rigid. Made of one-inch angle iron with steel braces, painted black. Easy to set up, fold or open. There is no additional charge for this improvement.

# Desirable High Back Laundry Tubs



## 3-Part Laundry Tubs

High back three-part composition laundry tub fitted complete with brass strainers, rubber plugs, waste connections and three pair of polished brass  $\frac{1}{2}$ -in. flanged wash-tray bibbs; supported by painted steel stand.

Order No.	Length ins.	Width ins.	Depth ins.	Weight lbs.	Price
5-A-1916	72	24	16	650	\$35.25

## 2-Part Laundry Tubs

High back two-part composition laundry tub fitted complete with brass strainers, rubber plugs, waste connection and two pair of polished brass  $\frac{1}{2}$  in flanged wash tray bibbs; supported by painted steel stand.

Order No.	Length ins.	Width ins.	Depth ins.	Weight lbs.	Price
5-A-1910	48	24	16	450	\$22.70
5-A-1911	54	24	16	500	26.45
5-A-1912	60	24	16	525	30.00

## Single Laundry Tub

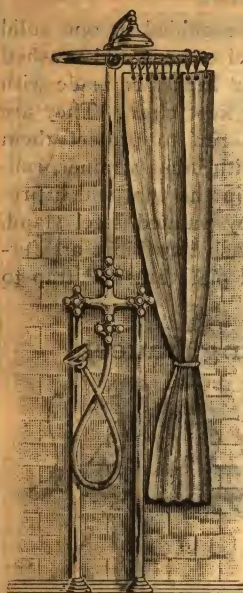
High back single composition laundry tub, fitted complete with brass strainer, rubber plug, waste connection and one pair of polished brass  $\frac{1}{2}$ -in. flanged wash-tray bibbs; supported by painted steel stand.

Order No.	Lg. ins.	Wd. ins.	Dp. ins.	Wt. lbs.	Price
5-A-1904	25	24	16	225	\$12.95
5-A-1905	27	24	16	250	14.10
5-A-1906	31	24	16	275	15.50



# Miscellaneous Plumbing Articles at a Saving

## Factory Sinks at Great Savings



### Shower Outfit

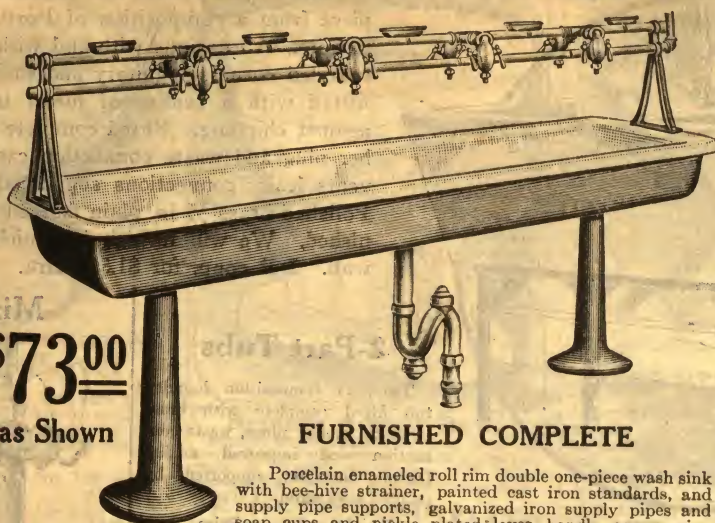
**5-A-3071.** Nickel Plated Brass Shower Bath with Head Shower and Shampoo Attachment, Rubber Hose and Sprinkler, 1/2 inch Supply Pipes to floor with check valves, China Indexed Controlling Valves and Duck Curtain..... **\$25.00**

### Ajax Bubbling Fountain



This bowl is similar in construction to our Lot No. 5-A-2510, excepting that the waste and supplies go to the wall instead of to the floor. It is adapted for places where economy of space is desired. It is equipped with nickel plated, self-closing stop with lever handle.

Lot No. **5-A-2515.** Bowl painted outside and enameled inside..... **\$11.25**  
**5-A-2516.** Bowl enameled inside and outside..... **\$12.60**



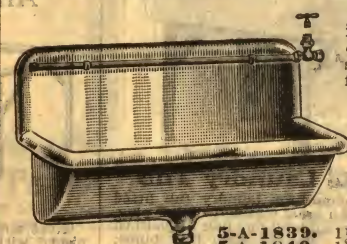
**\$73<sup>00</sup>**  
as Shown

### FURNISHED COMPLETE

Porcelain enameled roll rim double one-piece wash sink with bee-hive strainer, painted cast iron standards, and supply pipe supports, galvanized iron supply pipes and soap cups and nickel plated lever handle compression double wash sink faucets, with stream regulators. Width of sink, 28 inches. Depth, 8 inches.

**5-A-2519** 4 ft. long, enameled inside with 4 faucets..... **\$73.00**  
**5-A-2521** 6 ft. long, enameled inside with 6 faucets..... **\$9.00**  
**5-A-2526** 8 ft. long, enameled inside with 8 faucets..... **110.00**  
 Same as above, with 1/2" Compression Faucets  
**5-A-2518** 4 ft. long, complete with 8 faucets..... **\$69.00**  
**5-A-2520** 6 ft. long, complete with 12 faucets..... **\$2.00**  
**5-A-2525** 8 ft. long, complete with 16 faucets..... **99.50**

### Porcelain Enamel Urinals—Roll Rim \$15.75



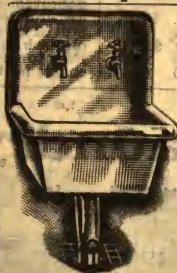
Porcelain enameled roll rim urinals, all in one piece. They are supported on concealed wall hangers and have beehive strainer and coupling, and perforated flush pipe with loose key stop.

Prices  
**5-A-1833.** Size, 24 inches long..... **\$15.75**  
**5-A-1834.** Size 30 in. long..... **\$18.00**  
**5-A-1835.** Size 36 in. long..... **20.40**  
**5-A-1836.** Size 42 in. long..... **22.70**  
**5-A-1837.** Size 48 in. long..... **25.00**  
**5-A-1838.** Size 60 in. long..... **32.00**  
**5-A-1839.** 1 1/4 inch Nickel Plated P Trap..... **2.30**  
**5-A-1840.** 1 1/4 inch Nickel Plated P Trap..... **2.60**

### Enameled Roll Rim Slop Sinks

Order No. **5-A-1091.** Porcelain enameled roll rim slop sink, with back, all in one piece, on trap standard, with cleanout and waste to wall 12 in. high roll rim back, outlet threaded for 2 in. iron pipe.

Size—16x20x12—Enameled inside only..... **\$23.60**  
 Size—18x22x12—Enameled inside only..... **\$27.35**  
 Size—20x24x12—Enameled inside only..... **30.70**  
 Extra for 2—3/4" Nickel Plated Fuller Flange Bibbs..... **3.50**



### Shower Outfit

No. **5-A-3069.** Polished aluminum portable shower bath with heavy duck curtain. Portable and adjustable to various heights. Furnished complete as pictured with "hold fast" rubber bulb and rubber hose to 1/2 in. pure aluminum feed pipe. Shipping weight 10 lbs. Complete outfit..... **\$8.75**

### Hercules Bubbling Fountains

This beautiful, up-to-date, Sanitary Drinking Fountain is a very practical one. It is very simple in construction and easy to put up, meeting the demands of all.

Lot No. **5-A-2510.** Bowl painted outside and enameled inside..... **\$12.30**  
 Bowl enameled outside and inside..... **\$13.65**



### Premier Slop Hopper

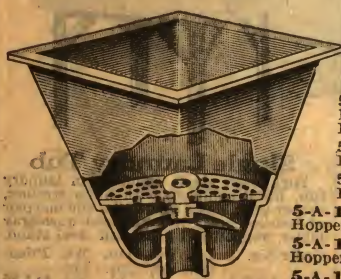
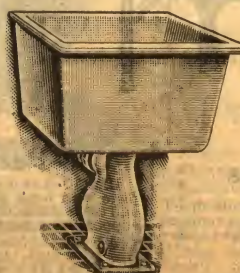


Illustration shows our "Premier" painted and enameled iron Slop Hopper. It is furnished complete as shown and made of the very best material, and made in three sizes.

**5-A-1865.** Size 12 x 12 inches, Painted Hopper, Price..... **\$4.55**  
**5-A-1866.** Size 12 x 12 inches, Enameled Hopper, Price..... **\$5.95**  
**5-A-1867.** Size 14 x 14 inches, Painted Hopper, Price..... **\$5.10**  
**5-A-1868.** Size 14x14 inches, Enameled Hopper, Price..... **\$6.40**  
**5-A-1869.** Size 16x16 inches, Painted Hopper, Price..... **\$5.65**  
**5-A-1870.** Size 16x16 inches, Enameled Hopper, Price..... **\$6.90**  
 Tapped for 2 inch Iron Pipe..... **75c**

### Enameled Iron Flat Rim Slop Sink



**5-A-1877.** Illustration shows our enameled iron flat rim Slop Sinks, which are furnished on the trap standard with cleanout and brass vent connections.

Prices  
 Size  
 16x16x10 inches..... **\$14.50**  
 16x20x12 inches..... **\$16.15**  
 18x22x12 inches..... **18.20**  
 20x22x12 inches..... **19.90**  
 20x24x12 inches..... **20.75**

They are shipped from our factory in Southern Wisconsin.



# Water Heaters!



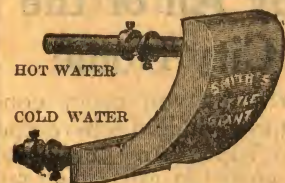
## Extra Heavy Galvanized Range Boilers

These range boilers are tested to 250 lbs. working pressure. They are much heavier and better than our Standard Galvanized Range Boilers and are intended for use with a working pressure of over 150 lbs. They are made of much heavier material than the Standard Boilers and are suited for higher pressures.

Order No.	Cap., Gals.	Ht. in. Boiler	Ht. in. Stand	Weight, Pounds	Boiler only	Price, complete
5-A-2109	30	60	75	87	\$10.25	\$12.25
5-A-2113	40	60	75	100	13.00	15.00
5-A-2115	52	60	75	135	23.00	26.00

The complete price includes boiler, stand, tubes and couplings.

Special Note:—Bear in mind that Range Boilers can only be used where there is a constant water pressure. In the event that you have such a water supply, these tanks can be connected with lead or iron pipe to a stove or furnace and then you can draw hot water from your faucets without any extra expense.



## SMITH'S LITTLE GIANT

This heater is designed for use over the fire pot of the furnace. It will heat radiators or water supply and will give a constant volume of hot water. They are very good to heat an isolated room where your furnace will not reach. They are very simple to install and are made of very good heavy material.

Order No.	Size No.	Hgt. In.	Width In.	Size Pipe	Between Center of Pipe	Cap. Sq. Ft. Of Rad.	Price Each
5-A-2141	0	9	8	1 1/4	6 1/2	30	\$ 6.50
5-A-2143	1	9	8	1 1/4	6 1/2	50	9.00
5-A-2145	2	10 1/2	10	1 1/2	8 1/2	100	12.60
5-A-2147	3	12	12	2	....	150	17.20

## Peerless Kitchen Boiler and Water Heater Combined

### Is of Absolutely Simple Construction

The heat generated in the burner, strikes the water spreader or disc and passes directly into the water, causing it to circulate. The disc or spreader is used for the purpose of spreading water; it also prevents the flame from coming in contact with the bottom of the boiler, thus protecting it against the gas flame. In the Peerless we have nothing to conceal.

The cold water is carried to the bottom of the disc through the left hand pipe and comes instantly in contact with the hottest part of the boiler, just above the flame. It is quickly heated and as it is warmed, rises through the center tube to top of boiler.

The heat, after passing around the disc, continues all the way up through the center of boiler.

Lot No.	Lgth.	Diam.	Price, Each
5-A-5116	3 ft.	12 ins.	\$24.00
	Capacity 18 Gallons.		
5-A-5124	4 ft.	12 ins.	25.00
	Capacity 24 Gallons.		
5-A-5130	5 ft.	12 ins.	26.00
	Capacity 30 Gallons.		
5-A-5140	5 ft.	14 ins.	32.00
	Capacity 40 Gallons.		



## Standard Galvanized Range Boilers

Our Standard Galvanized Range Boilers are guaranteed to be full weight. They are tested to a working pressure of 150 lbs. before leaving our factory.

Fitted complete. All boilers are furnished complete with stand, galvanized inside tube and galvanized malleable iron couplings, threaded for iron pipe connections.

The top boiler tube is screwed into the boiler coupling with a female thread on the inside of coupling and then dropped through one of the openings on the top of the boiler. This tube is for the cold water going into the boiler and the other coupling is for the hot water coming out of the boiler. The bottom opening is to drain and is connected to the lowest connection of the stove or furnace. The side opening is used to connect with the top connection of stove or furnace in order to create a circulation. These boilers cannot be used with an average pressure of over 85 lbs.



Order No.	Cap., Gal.	Ht. in. Boiler	Ht. in. Stand	Weight, Lbs.	Boiler only	Price, complete
5-A-2101	30	60	75	72	\$ 9.00	\$11.00
5-A-2105	40	60	75	85	11.70	13.70
5-A-2107	52	60	75	120	19.00	22.00



## Cast Iron Stand For Range Boiler

These Stands are made of high grade gray cast iron. They are extra strong and are made to carry an overload far beyond the capacity we list. The height is 15 inches.

Order No.	Diameter Stand.	For Boiler	Price Each
5-A-2117	12-in.	30 gal.	\$0.70
5-A-2121	14-in.	40 gal.	.70
5-A-2123	16-in.	52 gal.	1.75

## XX COPPER COIL WATER HEATERS

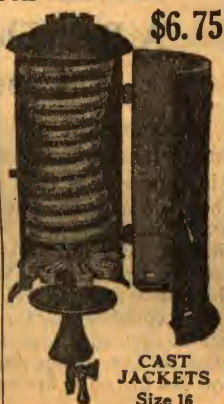
### SINGLE COPPER COIL HEATERS



Made with hour glass type coil with heat deflector to expose all surfaces of coil, insuring quick, economical water heating. All castings are fired japanned. Heavy steel jacket is asbestos lined. Convenient hinged mica door for lighting. Special whirling type burner. Furnished complete with 2 heavy brass unions.

5-A-2131.	Size 16 in. high, 7 in. in diameter with 1/4 in. coil, 10 ft. long, weight 19 lbs.	Each.....\$4.00
5-A-2131 1/2.	Size 18 in. high, 7 in. in diameter with 1/4 in. tube, 12 1/2 ft. long, weight 20 lbs.	Each.....\$5.00

### DOUBLE COPPER COIL HEATERS



Made with extra heavy, single copper coil, the neatest, most compact and simple water heater made. Jacket of cast iron fired japanned. Hour glass type coil, of best seamless copper tubing. Efficient, powerful whirling type burner. Valve with needle adjustment, suitable for artificial or natural gas. Drip pan catches condensation. Hinged door forms half of jacket and permits easy lighting.

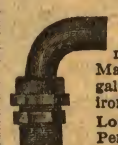
5-A-2132.	Size, 17 ins. high, 7 1/2 ins. in diameter with 1/4 in. copper coil, 12 1/2 ft. long, wt., 28 lbs.	Each.....\$6.75
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Fast heating, efficient double copper coil water heater, designed to meet most exacting requirements. Made with double copper coil. Cast iron jacket of neat design. Hinged door forms half of jacket. All casting fired japanned. 3 inch fue connection. 1/4 in. gas supply 1/4 in. water supply. Thoroughly tested.

5-A-2134	Size 18 in. high, 7 ins. in diameter, 1/4 in. copper tubing, 18 ft. long. Weight 28 lbs.	Each.....\$8.25
5-A-2136.	Size 24 ins. high, 8 ins. in diameter, with 1/4 in. tube, 25 ft. long. Weight 48 lbs.	Each.....\$10.75

## Galvanized Range Boiler Couplings



These Couplings are made of the best grade Malleable Iron, heavily galvanized. Threaded for iron pipe connections.  
Lot No. 5-A-2125.  
Per set.....\$1.30



## Frost-proof Closet

5-A-1900. Valve action is free and easy, allowing full capacity of tank to flush the bowl unobstructed by interior parts. Separate valves make it easy to adjust and safe and sure from frost and leaks. A slight pressure on the seat operates the valve and gives a full pressure of water to flush the bowl clean. Always clean, sanitary and odorless. Can be put in a very small space. This outfit as illustrated, complete as shown. **\$26.95**





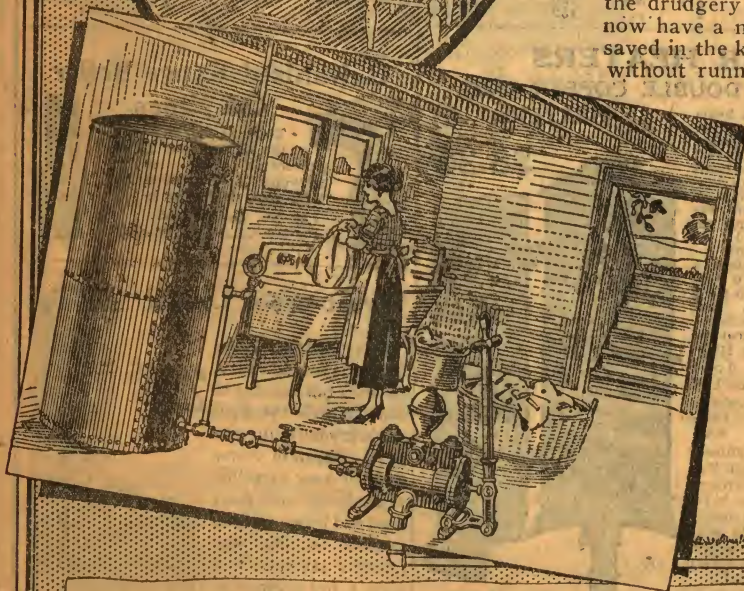
# Harris Air Pressure Water Supply

## Pure Fresh Water in Abundance



### You May Now Enjoy All of the Conveniences of a City Home

A "Harris" water supply outfit gives you every convenience of clear, pure running water when and where you want it. You will only have to turn the faucet. Free yourself of the drudgery of having to carry water around in pails. You can now have a modern bathroom in your home. Many steps may be saved in the kitchen and laundry. You'll wonder how you got along without running water after your system is installed.



### A Reliable Protection in Case of Fire

You cannot afford to take the risk of being without a water supply system of some kind for use in case of fire. An elevated tank in the attic may have some advantages over carrying water from the well in buckets, but its use is very limited. An air pressure system offers the most reliable protection. With water pipes throughout the house and faucets placed at various convenient and accessible points, it is almost impossible for a fire to get much of a start. Simply connect the hose to any of the faucets, turn on the valve and you can have the fire extinguished in a few moments.

Read over carefully description of the outfits on the following pages. The advantages offered, the simplicity of operation and the low prices at which they are offered make it, not a matter of deciding whether or not you want an outfit, but rather, a matter of deciding which of the outfits you want. Start today to get your outfit. Order Now!



# Outfit Easily and Quickly Installed Always Ready When and Where You Want it



## So Handy About The Farm for Watering Purposes

You will quickly realize the advantages of an air pressure water supply system. It is so much handier than carrying the water around in buckets. Just the thing for watering horses, cattle, hogs and chickens. A system of this kind is almost a necessity for use in the garden. A lawn sprinkler may be attached, keeping the grass always fresh and green.

## Quickly and Easily Installed and Operated

Any ordinary mechanic can install one of these systems for you, or you can do the work yourself in one afternoon. Complete plans and instructions are furnished with every outfit making it impossible for you to go wrong. There is no possible chance for these outfits to get out of order. They are very simple, containing the fewest working parts of any outfit on the market. Every outfit is guaranteed to be absolutely satisfactory in every way or your money will be refunded. If you are in doubt as to which size outfit will be needed to fulfill your requirements, we will be glad to give you any information that might help you out.



Picture your home equipped with all the conveniences that are offered by one of these outfits. Think of the time, money and unnecessary labor that will be saved. Read over the following pages carefully. The extremely low prices will convince you that these outfits are a necessity that you cannot afford to be without. Look them over now!



# NEW UP-TO-DATE WATER WORKS OUTFIT



This simple and reliable outfit will be found to be a most efficient water works system. After reading the full instructions, furnished with each outfit, you'll be able to set it up in a few hours' time, regardless of whether you have had any previous experience or not.

No country or suburban home is complete without one of these outfits. It provides all of the conveniences of city life—running water, both hot and cold, for kitchen, bathroom and the entire premises. It will also furnish protection in case of fire. It's so convenient to have plenty of hot and cold running water whenever and wherever you want it that you would not want to part with the outfit after it is once installed.

We are confident that you will be more than satisfied. That's why we offer to refund your money if you are not. Each outfit is guaranteed to work successfully and to be absolutely perfect in every detail.



## \$70<sup>00</sup>

### For Complete Outfit

#### Outfit Consists of

Brand New Black Steel Pneumatic Tank, size 24 in. x 6 ft., double-riveted, capacity 145 gallons, working capacity 100 gallons, made of  $\frac{1}{8}$  shell and  $\frac{1}{8}$  head.

Our Horizontal Double-acting Force Pump, equipped with pneumatic attachment for pumping water and air at same time,  $1\frac{1}{4}$  in. suction, 1 in. discharge, capacity 300 gallons per hour, tested under 150 lbs. cold water pressure. Most durable and dependable pump made.

Also Water Gauge, Pressure Gauge, Check Valve, Globe Valve, Elbows, Tees, Couplings and Nipples for complete installation.

**5-A-6001.** Outfit complete. Price, only..... **\$70.00**

Outfit includes black steel double riveted air tight pneumatic tank, made of  $\frac{1}{8}$  shell and  $\frac{1}{8}$  head. Fully tested to 200 pounds air pressure and guaranteed for working pressure of 75 pounds. Price of outfit depends upon size of tank furnished as shown below.

Pump furnished with this outfit is our 4-A-2455 Double Acting Horizontal Force Pump, equipped with pneumatic attachment and used for pumping water and air at the same time. Pump tapped for  $1\frac{1}{4}$  inch suction and 1 inch discharge. We also furnish complete with water gauge glass, pressure gauge, check valve, globe valve and all other fittings, such as galvanized nipples, unions, couplings, etc., required in installation.

Special Note.—For the convenience of our customers, we list below several standard size outfits. Bear in mind, however, we can furnish these outfits with tanks of any size desired, either larger or smaller. Consult list given

below and if you want special size tank, write us for quotation.

Tanks can be furnished to lay horizontally. Unless otherwise specified will be shipped with tappings for vertical setting.

Special quotations furnished on power-driven outfits, deep well outfits or any other special feature wanted.

**5-A-6002.** Complete Outfit. Size of tank, 24 inches by 10 feet. Capacity of tank, 245 gallons. Working capacity, 160 gallons. Price..... **\$94.00**

**5-A-6005.** Complete Outfit. Size of tank, 30 inches by 6 feet. Capacity of tank, 220 gallons. Working capacity, 160 gallons. Price..... **\$83.00**

**5-A-6007.** Complete Outfit. Size of tank, 30 inches by 8 feet. Capacity of tank, 295 gallons. Working capacity, 200 gallons. Price..... **\$97.00**

**5-A-6009.** Complete Outfit. Size of tank, 36 inches by 8 feet. Capacity of tank, 420 gallons. Working capacity, 300 gallons. Price..... **\$112.00**

#### AIR PRESSURE TANKS

Prices on tanks subject to market changes. Note our very low prices on our air pressure tanks. We can furnish any of the various size tanks in the following list, at prices quoted. These prices are F. O. B. cars our factory

near Chicago. We can quote you freight prepaid prices or F. O. B. Chicago prices on request. These tanks are all fully tested and guaranteed perfectly air tight before shipments. Guaranteed for a working pressure of 75 lbs.

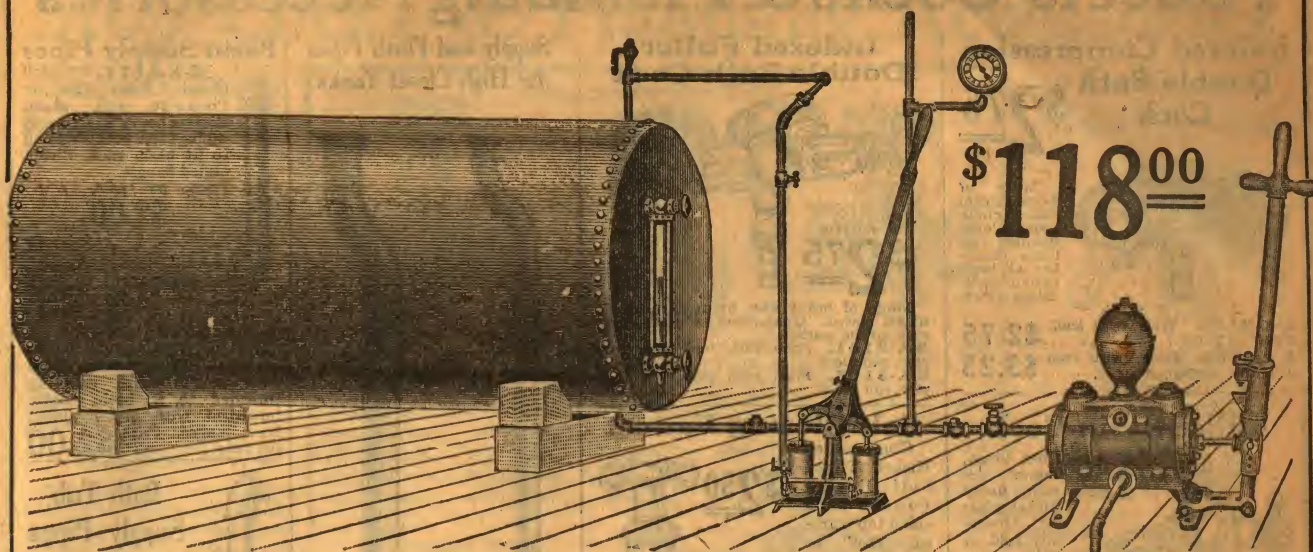
*In ordering, state whether tank is wanted tapped to stand vertically or to lay horizontally.*

Order Number	Diam. Inches	Length Feet	Weight Pounds	Capacity Gallons	Thickness, In.		Prices		Order Number	Diam. Inches	Length Feet	Weight Pounds	Capacity Gallons	Thickness, In.		Price
					Shell	Head	Black	Galv.						Shell	Head	
5-A-6101	24	6	370	145	3/16	$\frac{1}{8}$	\$40.00		5-A-6123	42	8	1,422	575	$\frac{1}{4}$	$\frac{3}{8}$	\$110.00
5-A-6105	24	10	525	245	3/16	$\frac{1}{8}$	61.50		5-A-6125	42	10	1,685	720	$\frac{1}{4}$	$\frac{3}{8}$	128.00
5-A-6107	30	6	558	220	3/16	5/16	52.00	Write	5-A-6127	42	12	1,953	865	$\frac{1}{4}$	$\frac{3}{8}$	145.00
5-A-6109	30	8	677	295	3/16	5/16	64.00		5-A-6129	42	14	2,215	1,000	$\frac{1}{4}$	$\frac{3}{8}$	164.00
5-A-6111	30	10	785	365	3/16	5/16	73.00	for	5-A-6135	48	14	2,665	1,300	$\frac{1}{4}$	$\frac{3}{8}$	187.50
5-A-6115	36	6	760	315	3/16	5/16	62.00	Prices	5-A-6137	48	16	2,963	1,500	$\frac{1}{4}$	$\frac{3}{8}$	208.50
5-A-6117	36	8	928	420	2/16	5/16	77.00		5-A-6141	48	20	3,555	1,880	5/16	$\frac{1}{2}$	252.50
5-A-6119	36	10	1,090	525	3/16	5/16	89.00		5-A-6143	48	24	4,167	2,260	5/16	$\frac{1}{2}$	292.00
5-A-6121	36	12	1,253	630	3/16	5/16	100.00									

Manheads, \$15.00 extra. Water Gauges, etc., are not included in the above prices. All tanks tested to 200 lbs. air pressure, and guaranteed.



# Modern Air Pressure Water Works Outfit



One of the special features of this outfit is the absolutely positive air supply arrangement. You'll find this feature to be a decided advantage in that it will give you a plentiful supply of air at all times, with only a few strokes of the pump.

A two-cylinder air pump is furnished with this outfit. A very important feature, is the large 3-inch Cylinder Water Pump, which is furnished, supplying a large volume of water and filling the tank in a very short time. This reduces the amount of pumping required. A full set of instructions and blue print diagrams, showing just how to install, furnished with every outfit.

We furnish these outfits, exactly as shown, complete, with large 3-inch Cylinder, Double Acting, Water Force Pump, Two-Cylinder, High Pressure Air Pump, with long, detachable lever, as illustrated, all necessary valves, check valves, fittings, pressure gauge, water gauge, complete with gauge cocks, guard rods, etc., the necessary piping to connect the pump with the outfit as shown; also the necessary pipe between the water pump and the tank. We do not furnish the suction pipe leading from the pump to the well, as this

varies in every case. This will come extra, according to our net catalogue price on 1 1/4-inch Galvanized Iron Pipe. We, however, furnish the piping between the pump and tank, as shown in this illustration, and necessary fittings, which makes the outfit complete, as illustrated.

Below you will find three complete outfits. If in doubt, write us for complete estimate. Tell us the size outfit and send sketch of quantity of pipe and fittings needed from well to pump and from pump to supply in your home. We will make a delivered price on all your needs.

**5-A-6203.** Complete Outfit. Size of tank, 24 inches by 10 feet. Capacity of tank, 245 gallons. Working capacity, 160 gallons. Price..... **\$118.00**

**5-A-6207.** Complete Outfit. Size of tank, 36 inches by 8 feet. Capacity of tank, 420 gallons. Working capacity, 360 gallons. Price..... **\$130.00**

**5-A-6209.** Complete Outfit. Size of tank, 36 inches by 10 feet. Capacity of tank, 525 gallons. Working capacity, 360 gallons. Price..... **\$145.00**

## Harris Electric Water Supply System

A Pressure Water Supply System—Automatic and Pneumatic  
With All Latest Improvements and Satisfactory Features

This splendid outfit will give you plenty of water all the year round without the least bit of attention. It is designed to work automatically with positive safety—simple and durable—noiseless. Operated at exceptionally low cost.

Complete in design, requiring little floor space. Quickly and easily assembled by any one. Includes Harris pump, driving motor, automatic pressure switch, pressure tank, pressure gauge, complete water gauge drain cock, foot valve, safety pop valve, two stop cocks, air vent valve, bushing and nipple.

**THE HARRIS PUMP** as furnished with this outfit is made of the very highest grade of materials. It is self acting and practically noiseless as it contains no gears. All inside bearings are lubricated by the splash system. A special priming arrangement holds the water in the pump after it is once started. Pump has a capacity of 180 gallons per hour. Brass lined cylinder 2" stroke, 1 1/4" bore. The belt is always kept tight by means of a spring tension idler which works automatically. The pump will draw water a distance of 20' from the low water level to the base of the pump.

**THE AUTOMATIC CONTROL SWITCH** furnished with this outfit keeps this system in operation without any trouble or work on your part. When the tank has been pumped so that the pressure on the gauge registers about 40 pounds the switch automatically breaks the circuit and stops the motor and when the pressure falls down to about 15 pounds it automatically starts the motor and keeps on working until the maximum pressure is again obtained. The pressure can be regulated by adjusting a small nut located at the switch. It is well constructed and there is very little danger of it getting out of order.

**THE MOTOR** as furnished with this outfit is the induction coil type made by one of the largest manufacturers of motors in the country. All high grade materials are used and it is well assembled and without a doubt one of the best motors on the market suitable for this purpose.

**5-A-25.** Complete Pumping Outfit. Consisting of 53 gallon black storage tank, pump with 3/4 inch suction, 1/2 inch discharge pipe, motor, and necessary equipment to install (suction pipe not included). Price..... **\$167.50**

**5-A-26.** Harris Automatic Electric Water Supply System. Same as 5-A-25, but furnished with 82-gallon iron tank. Price..... **\$193.00**

Complete  
and  
Ready  
to  
Install



*Be sure to state whether you have Direct, or Alternating Current, and Specify Cycle, Phase, and Voltage*

**HARRIS BROTHERS COMPANY, 35th and Iron Streets, CHICAGO**



# Faucets-Cocks & Plumbing Accessories

## Indexed Compression Double Bath Cock

**\$2.75**

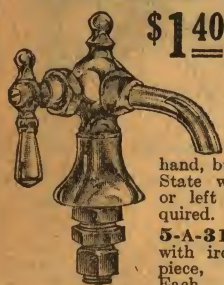


Made of brass, nickel plated; china index lever handles. The large chamber at back thoroughly mixes water.

5-A-3104. Price with lead pipe, tall pieces.....**\$2.75**  
5-A-3106. Price, with iron pipe, tall pieces.....**\$3.25**

## Fuller Basin Cock

**\$1.40**



Cast brass, heavy design, finely nickel plated. Generally sold in pairs, one right and one left hand, but will single. State whether right or left hand is required.

5-A-3110. Price with iron pipe, tall piece, Each.....**\$1.40**

## Indexed Fuller Double Bath Cock



**\$2.75**

Made of heavy cast brass, handsomely nickel plated. Guaranteed to be the best cock on the market.

5-A-3101. Price with lead pipe, tall piece.....**\$2.75**  
5-A-3103. Price with iron pipe, tall piece.....**\$3.25**

## Self Closing Faucet

Compression Nickel Plated Self-Closing Faucet with china top marked "Hot" or "Cold." Low pattern. Mention index wanted.

**\$2.50**



5-A-3122. Price with lead pipe, tall pieces.....**\$2.50**  
5-A-3124. Price with iron pipe, tall pieces.....**\$2.75**

## Supply and Flush Pipes for High Closet Tanks



### Offset Supply Pipe

5-A-3194. Nickel Plated; made of 3/8-in. heavy brass tubing; use with high tank closet outfits, each.

**\$1.75**

### Offset Flush Pipe

5-A-3193. Nickel plated; use with high tank closet outfits. Heavy brass tubing, 1 1/4 in. x 5 1/2 ft. long, 3 in. offset, 1 1/2 in. collar.

**\$1.85**

## Basin Supply Pipes

5-A-3171. Nickel plated Basin Supply Pipes to wall, plain, made of heavy 3/8 in. brass tubing fitted with coupling to fit basin cock, nickel plated flanges. Price, per pair.....**\$2.00**



5-A-3173. Straight basin supplies made of heavy tubing. Size 3/8 inch, fitted with nickel plated coupling threaded to fit basin cocks, furnished with nickel plated floor flanges. Price, per pair.....**\$2.00**

## Bath Tub Supply Pipes

5-A-3167.

Nickel plated straight bath supply pipes, made of heavy 1/2-inch tubing fitted with coupling, threaded to connect with tall pieces on bath cock, complete with floor flanges.

Price, per pair.....**\$2.00**



Made of cast brass, heavy design, nickel plated; white china handles indexed "hot" or "cold." Generally sold in pairs, but if ordered single, state whether right or left and hot or cold faucet is wanted.

5-A-3110 1/2. Price with iron pipe tall piece, each.....**\$1.65**

Handsome serviceable heavily nickel plated Basin Cock. The body and spout are cast solid in one piece. White porcelain plate marked "Hot" or "Cold." If not ordered in pairs, be sure and state index desired.

5-A-3125. Price with iron pipe, tall piece, each.....**\$1.00**

Heavily nickel plated basin cock, serviceable and attractive. Body and spout in one piece. Fitted with white porcelain lever handle. When ordering, state whether right or left cock is wanted.

5-A-3126. Price with iron pipe tall piece, each.....**\$1.10**



## Nickeled Safety Chain

5-A-5900. Nickel plated safety chain used on plugs, stoppers, closet puller, etc. Price per yard.....**10c**



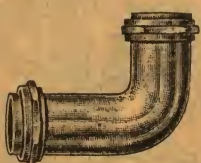
## Closet Screws & Washers

5-A-3191. Nickel Plated Heavy Pattern Head Closet Screws and Washers 2 1/4 inches under the head. Price, per set of 12 pieces.....**15c**



### OFFSET SLIP JOINT CONNECTIONS

5-A-3197. Made of brass, nickel plated. Size 2x2x6 inches. For use with low-down closet tanks and syphon jet bowls. Price, each.....**95c**



### SLIP JOINT CONNECTION

5-A-3185. These elbows are made of brass and are heavily nickel plated. Sizes 2x4x4 in. to be used with low-down closet tanks and wash-down bowls. Price, each.....**90c**



### ONE QUARTER BEND SLIP JOINT CONNECTION

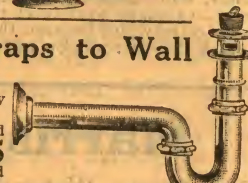
5-A-3196. Heavily Nickel Plated Brass Slip Joint Connections, size, 1 1/4 inch by 1 1/4 inch for use with high closet tanks and wash-down bowls. Price, ea. **70c**

## Lavatory "P" Traps to Wall

### LAVATORY TRAPS

Made of brass tubing. Is heavily nickel plated.

5-A-3145. 1 1/4-inch nickel plated plain "P" trap. For lead pipe connections. Price, ea. **\$2.25**  
5-A-3146. 1 1/4-inch nickel plated plain "P" trap. For iron pipe connection. Price, each.....**\$2.75**



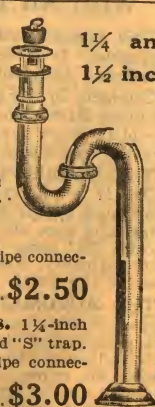
## Connected Bath Waste and Overflow

5-A-3131—Heavy nickel-plated brass tubing with nuts, ell and shoe of cast brass. Furnished with adjustable tee and nickel-plated floor flange; nickel-plated chain and rubber stopper. Price each.....**\$2.40**



## Lavatory "S" Traps To Floor

5-A-3157. 1 1/4-inch nickel plated "S" trap. For lead pipe connection. Price, each.....**\$2.50**  
5-A-3158. 1 1/4-inch nickel plated "S" trap. For iron pipe connection. Price, each.....**\$3.00**



## Soldering Bushing

5-A-3198. Soldered to lead pipe to make iron pipe connections. Size 1 1/4 in. Price **20c**  
5-A-3199. Size 1 1/2 inch. Price.....**24c**

## Cock Hole Covers

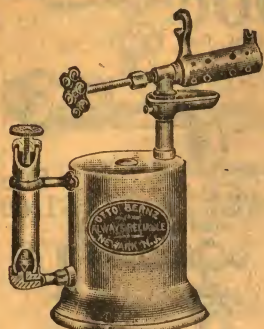
5-A-3190. Porcelain Enamelled Cock Hole Covers for bath tubs, sinks and lavatories. Price, each.....**20c**





# Stop Cocks & Plumbing Accessories

## Gasoline Blow Torch



**5-A-2911.** Equipped with soldering iron attachment. Made of heavy brass and has non-leakable valves. The safest and best torch on the market. Fully guaranteed.

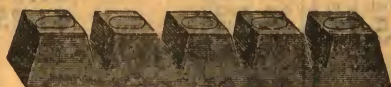
Capacity, 1 qt. Price...**\$6.50**

## Pig Lead for Calking



**5-A-159.** Pig lead for calking and all plumbing work. Per pound..... **12c**

## Babbitt Metal



Intended to be used in bearings of various kinds. The different grades of babbitt that we offer we guarantee to be of the very best composition.

### PREMIER BABBITT

**5-A-6503.** A special mixture embodying anti-friction ingredients, used on high speed engines. Price, per pound..... **35c**

### No. 3 BABBITT METAL

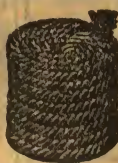
**5-A-6507.** Used for bearings of low speed machinery. Price, per pound..... **13c**

## Spun Oakum

Used for calking soil pipe and fittings. Comes in 50 lb. bales.

**5-A-2907.** Price, per full bale..... **\$4.75**

**5-A-2908.** In less than full bales, per lb..... **10c**



## Calking Chisel



**5-A-2923.** Plumbers' calking chisel, made of special tool steel. Price, each..... **25c**

## Yarning Irons

**5-A-2925.** Plumbers' yarning iron, made of special tool steel. Price, each..... **25c**



### Bending Springs



**5-A-2897.** Used for bending lead pipe. Made of the best quality of spring steel.

Size, inches..... **1 1/4** **1 1/2**  
Price, each..... **50c** **58c**

## Compression Stop Cock



"T" Handle Brass Stop for Iron Pipe.

**5-A-3011.** Each

Size, 1/2 inch.. **\$0.53**

Size, 3/4 inch.. **.75**

Size, 1 inch.. **1.32**

Size, 1 1/4 inch.. **2.25**

Size, 1 1/2 inch.. **3.75**



No. **5-A-3012.** Improved

automatic compression waste

valve. First or last half turn

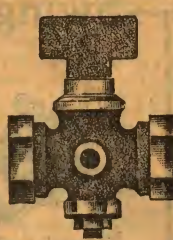
of handle closes or opens flow.

Cannot waste under full compression. Threaded for iron pipe

Size, 1/2 inch..... **\$0.65**

Size, 3/4 inch..... **.78**

Size, 1 inch..... **1.50**



"T" Handle Brass Stop and Waste for Iron Pipe.

**5-A-3013.** Each

Size, 1/2 inch.. **\$0.53**

Size, 3/4 inch.. **.77**

Size, 1 inch.. **1.35**

Size, 1 1/4 inch.. **2.30**

Size, 1 1/2 inch.. **3.80**



Lever Handle Brass Stop for Iron Pipe.

**5-A-3019.** Each

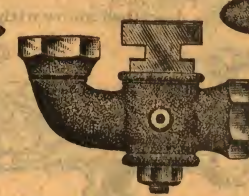
1/2 inch..... **\$0.53**

3/4 inch..... **.75**

1 inch..... **1.32**

1 1/4 inch..... **2.25**

1 1/2 inch..... **3.75**



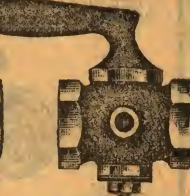
Brass Hydrant Cock with Waste for Iron Pipe

**5-A-3027.** Each

Size, 3/4 inch..... **\$1.40**

Size, 1 inch..... **2.05**

Size, 1 1/4 inch..... **3.25**



Lever Handle Brass Stop and Waste for Iron Pipe.

**5-A-3021.** Each

1/2 inch..... **\$0.55**

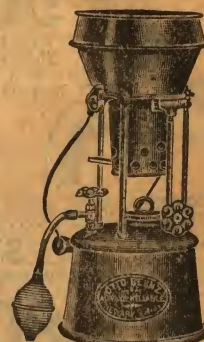
3/4 inch..... **.77**

1 inch..... **1.35**

1 1/4 inch..... **2.30**

1 1/2 inch..... **3.80**

## Gasoline Blast Furnace



**5-A-2913.** Fitted with shield to hold melting pot. This furnace will produce quicker and hotter flame than any other furnace of its kind on the market. Price..... **\$7.75**

## Plumbers' Solder



**5-A-2895.** Made of proper proportions of pure block tin and pig lead. Comes in bars weighing about 1 1/4 lbs. each. We sell full bars only. Guaranteed to be the best plumbers' solder on the market. Price, per bar.. **54c**

## LEAD PIPE



We will furnish this pipe cut in lengths you may require. Prices are based on present market conditions. We will offer Lead Pipe subject to market changes.

**5-A-2801.** For waste pipe.

Diameter, inch..... **1 1/4** **1 1/2** **2** **4**

Weight per foot..... **21b.** **31b.** **41b.** **51b.**

Price per foot..... **28c** **42c** **56c** **70c**

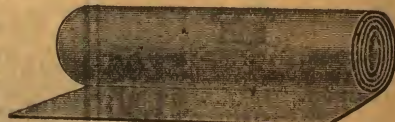
**5-A-2803.** Medium Strong Lead Pipe.

Diameter, inches..... **3/4** **1** **1 1/4**

Weight per foot..... **21b.** **2 1/4 lb.**

Price per foot..... **28c** **31 1/2c**

## Sheet Lead



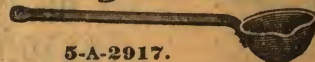
**5-A-2805.** Sheets are 24 inches wide.  
Thickness, inches..... **1/4** **1/2**  
Weight, per square foot..... **2 lbs.** **4 lbs.**  
Price, per square foot..... **30c** **60c**

## Melting Pots



**5-A-2915.** To be used in connection with our Gasoline Bulb Blast Furnace. Price..... **42c**

## Melting Ladles



**5-A-2917.**  
Size, across bowl, inches..... **3** **5**  
Price..... **37c** **68c**

## Box Wood Dresser

**5-A-2935.** Plumbers' Box Wood Dresser.  
Price, each..... **\$1.10**

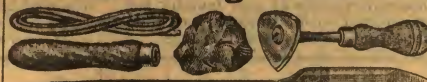
## Oval Shave Hook

**5-A-2929.** Plumbers' oval shave hook, crucible steel blade. Price, each..... **25c**

### Bending Pins

**5-A-2927.** Plumbers' bending pins. Price, each..... **20c**

## Soldering Outfit



A handy outfit for the man who wants to do repair work around the house. For outside work, we suggest that you include one of our blow torches described on this page. Five pieces complete: 1-lb. Soldering Copper, with handle; 1 Plumbers' Scraper; 1 Bar of Solder, about 1 1/4 lbs.; 1 Coil of Wire Solder, 1/2 lb.; 1 Piece of Rosin.

No. **5-A-4900.**..... **\$1.25**

### Soldering

**5-A-2937.** Weight, 1 lb. each. Furnished without handles. Price, each..... **35c**

**5-A-2939.** 2-lb. Soldering Copper. Each..... **80c**



# Best Faucets, Bibbs and Cocks

## Compression Plain Bibbs



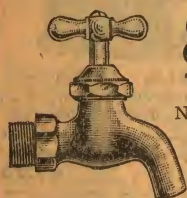
**90c**

With Flange  
Threaded for  
Iron Pipe  
Nickel Plated.

5-A-2959. Size, 1/2 inch. **90c**

5-A-2961. Size, 3/4 inch. **\$1.20**

Brass finished 20c less



**80c**

Threaded for  
Iron Pipe  
Nickel Plated

5-A-2951. Size, 1/2 inch. **80c**

5-A-2953. Size, 3/4 inch. **97c**

Brass finished 20c less

## Compression Hose Bibbs



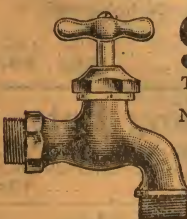
**\$1.05**

With Flange  
Threaded for  
Iron Pipe  
Nickel Plated

5-A-2963. Size, 1/2 inch. **\$1.05**

5-A-2965. Size, 3/4 inch. **\$1.30**

Brass finished 20c less



**90c**

Threaded for  
Iron Pipe  
Nickel Plated

5-A-2955. Size, 1/2 inch. **90c**

5-A-2957. Size, 3/4 inch. **\$1.10**

Brass finished 20c less

## Plain Compression Laundry Bibb

5-A-3501. Polished brass. For 1/2 inch iron pipe. Shipping weight, about 8 oz. Price **40c**

## Compression Hose Laundry Bibb

5-A-3502. Same as No. 5-A-3501 but for 3/4 inch hose connection. Price **50c**

## Swinging Mixing Faucets



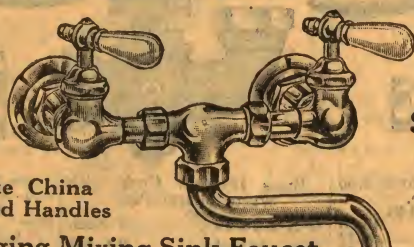
Complete With  
Soap Dish

**\$8.00**

## Swinging Mixing Sink Faucet

No. 5-A-1603. Latest improved swinging mixing faucet for kitchen sinks. Made of heavy brass, highly nickel plated. Fitted with white China handles indexed for hot and cold water. The long spout mixes hot and cold water to just the right temperature and distributes the flow to all parts of the sink. White porcelain China soap dish supported by neat nickel plated bracket attached to top of faucet. Designed to fit standard openings in kitchen sinks. Made with flange and threaded for 1/2 inch pipe connections. Price, each **\$8.00**

Mixing Faucet same as described above without soap dish **\$7.00**

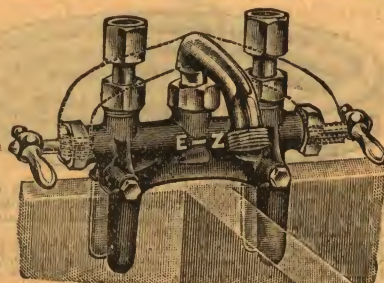


White China  
Indexed Handles

**\$5.75**

## Swinging Mixing Sink Faucet

No. 5-A-1604. Mixing faucet with swinging spout for kitchen sinks. Designed to fit standard openings of all sinks. White China handles indexed for hot and cold water. Long spout mixes hot and cold water to the right temperature and enables you to distribute the flow practically to any part of the sink. Made with flange and threaded for 1/2 inch iron pipe connections. Made of brass highly nickel plated. Price, each **\$5.75**



Saves  
Time  
and  
Fittings

**\$5.00**

## Swinging Mixing Laundry Tub Faucet

No. 5-A-1605. Improved laundry tub faucet. Quickly and easily connected to any laundry tub; saves more than half of the time required for installation and more than its cost in fittings alone. The long spout mixes water to the right temperature and enables you to distribute the flow to both compartments of your laundry tub. Made of brass highly nickel plated. Fitted with adjustable lock nuts threaded for iron pipe connection. Price, each **\$5.00**



**Boiler Cock**

No. 5-A-2129. Boiler drain cock. Made of solid brass in rough finish. Threaded for standard hose couplings, 1/2 inch connection to range or heating boiler. Price, each **40c**



**Sill Cock**

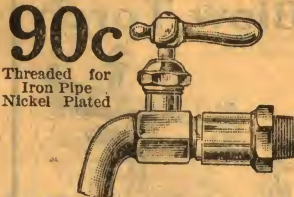
No. 5-A-3035. Compression sill cock with 1/4 inch threaded for standard hose coupling and threaded for connection to 3/4 inch iron pipe. Made of brass in rough finish with iron wheel. Price, each **75c**



**Sill Cock**

No. 5-A-3500. Compression sill cock with loose key. Made of polished brass. Cast key. Size, 1/4 inch. Protects your water supply and prevents leakage. Price, each **85c**

## Fuller Pattern Plain Bibbs



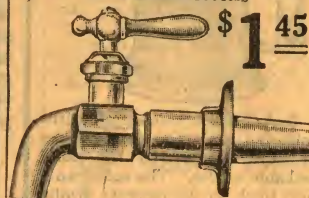
**90c**

Threaded for  
Iron Pipe  
Nickel Plated

5-A-2967. Size, 1/2 inch. **90c**

5-A-2969. Size, 3/4 inch. **\$1.00**

Brass finished 15c less

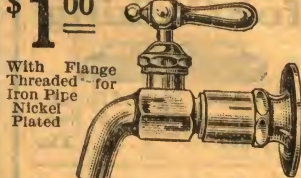


**\$1.45**

With Flange for Lead Pipe Connection  
Nickel Plated.

5-A-2995. Size, 1/2 inch. **\$1.45**

5-A-2997. Size, 3/4 inch. **\$1.55**



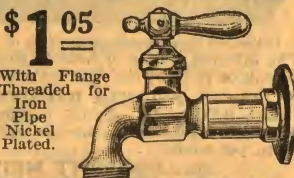
**\$1.00**

With Flange  
Threaded for  
Iron Pipe  
Nickel Plated

5-A-2975. Size, 1/2 inch. **\$1.00**

5-A-2977. Size, 3/4 inch. **\$1.25**

## Fuller Pattern Hose Bibbs



**\$1.05**

With Flange  
Threaded for  
Iron Pipe  
Nickel Plated.

5-A-2979. Size, 1/2 inch. **\$1.05**

5-A-2981. Size, 3/4 inch. **\$1.20**



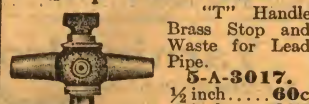
**90c**

Threaded for Iron Pipe  
Nickel Plated

5-A-2971. Size, 1/2 inch. **90c**

5-A-2973. Size, 3/4 inch. **\$1.00**

## Stop and Waste



"T" Handle  
Brass Stop and  
Waste for Lead  
Pipe.

5-A-3017.  
1/2 inch. **60c**  
3/4 inch. **85c**

## Hydrant Clamps

21-A-3029.

Each  
Size, 1/2 inch. **8c**  
Size, 3/4 inch. **9c**  
Size, 1 inch. **10c**  
Size, 1 1/4 inch. **11c**



# Latest Bathroom Fixtures

## Plate Glass Shelves



Brackets are adjustable solid brass, nickel-plated and highly polished. Plate glass shelf is polished and has rounded edges.

5-A-3027. Size of shelf, 18x5 inch. **\$1.15**  
Price, each.....  
5-A-3028. Size of shelf, 24x5 inches..... **1.30**

## Bath Spray



Rubber bound, brass, nickel plated spray, 3 inches diameter, with 5 feet pure white rubber tubing, with hold-fast rubber bulb.

5-A-3019. **85c**  
Price, each.....

## Towel Bars



Made of 1/4-inch brass tubing, heavily nickel-plated, with cast posts, complete with screws. Each  
5-A-3085. 15 inches long..... **75c**  
5-A-3087. 18 inches long..... **80c**  
5-A-3089. 21 inches long..... **83c**  
5-A-3091. 24 inches long..... **86c**



Brackets are made of solid cast brass, heavily nickel-plated and polished. The shelf is made of plate glass polished, with rounded edges. The bar is of solid round glass, 1 inch diameter, and can be readily removed.

5-A-3031. Size of shelf, 18x5 inches. **\$3.70**  
Price, each.....  
5-A-3032. Size of shelf, 24x5 inches..... **4.00**  
5-A-3033. Size of shelf, 30x5 inches..... **4.25**

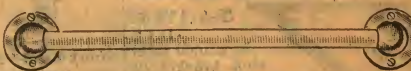


Detachable Hand Brush. The ideal thing for your bath room.

Made of the highest class bristles and warranted to wear. Its construction is such that it will last a good many years.

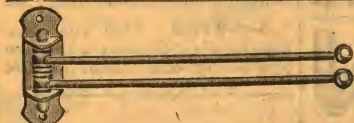
5-A-3201. Each..... **40c**

## Glass Bar



Bar is made of clear 5/8 inch diameter. Posts are cast brass, heavily nickel-plated and complete with screws. Each

5-A-3061. 15 inches long..... **90c**  
5-A-3062. 18 inches long..... **\$1.00**  
5-A-3063. 24 inches long..... **1.15**



5-A-532. Made with two 1/4-inch rods 10 inches long. **95c**  
Price, each.....

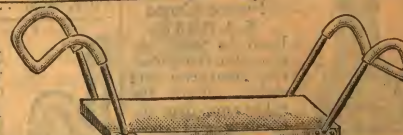
5-A-533. Made with three 1/4-inch rods 10 inches long. **\$1.15**  
Price, each.....



5-A-3065. Tumbler Holders. Solid brass, heavily nickel-plated and highly polished. Complete, with screws. **70c**  
Price, each.....



5-A-3066. Tumbler and tooth brush holder combined. Solid brass, heavily nickel-plated and highly polished. Complete with screws. **85c**  
Price, each.....



5-A-3075. The rods are heavily nickel-plated, ends are rubber covered to protect bath tub. The seat is of finished oak. Will fit any bath tub. Size, 18x6 in. Price, each..... **95c**  
5-A-3025. Same as above, 5-coat white enamel finish. The handsomest Bath Seat made. **\$1.10**  
Price, each.....



5-A-3041. Soap Dish. Made to fasten to wall. Solid brass, heavily nickel-plated and highly polished. Complete with screws. Price, each..... **55c**



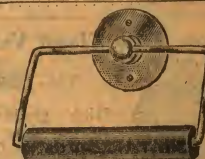
5-A-294. Door bumper and coat hook made of cast brass; nickel-plated. 4 in. long. **98c**  
Price, each.....



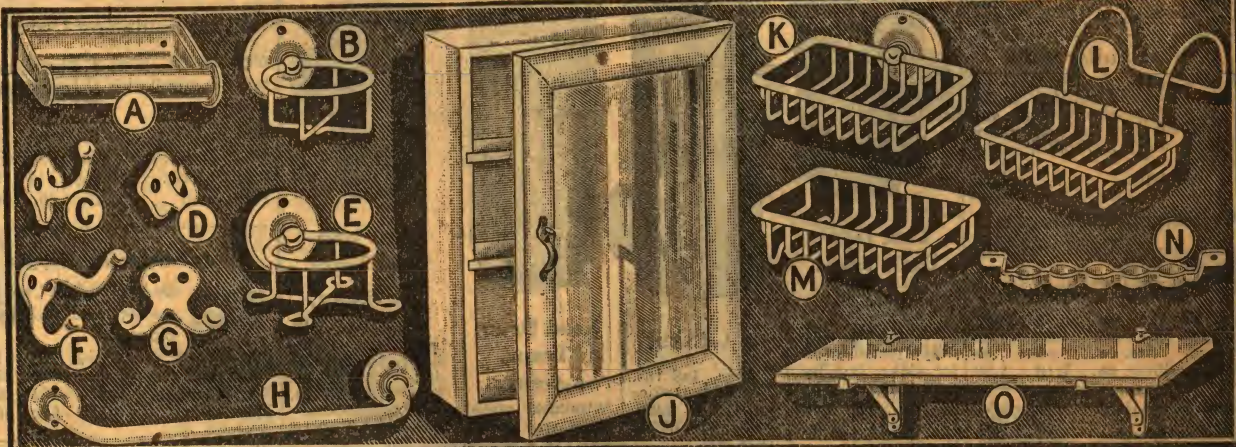
5-A-291. Water bag hook made of cast brass. Nickel-plated. 5 inches long. **70c**  
Price, each.....



5-A-3035. Whisk broom holder. Made of brass, heavily nickel-plated, highly polished, and complete with screws. Price, each..... **30c**



5-A-3003. Toilet Paper Holder. Made of brass, heavily nickel-plated and highly polished, with ebony roller. Price, each..... **22c**



## "Maid-EN-White" and Nickle-Plated Bathroom Fixtures

Made of heavy weight material, beautifully designed and smoothly finished. Nickel-plated fittings are guaranteed not to peel or tarnish. The white enameled fittings are guaranteed not to crack, peel or discolor. By a special process, the parts used in the construction of these fittings are joined together by expanding

the metal so that the entire piece is practically one. No solder is used on these fixtures. All Maid-EN-White fixtures requiring screws are furnished with white enameled screws; nickel-plated fixtures with nickel-plated screws.

Item	White Enam'd	Plated Nickel
"A" Toilet Paper Holder.....	\$0.75	\$0.60
"B" Tumbler Holder.....	.85	.60
"C" Single Robe Hook.....	.30	.20
"D" Razor Strap Hook.....	.30	.20
"E" Tooth Brush and Tumbler Holder.....	1.00	.75
"F" Double Robe Hook.....	.30	.25
"G" Twin Robe Hook.....	.30	.25
"H" One-Piece Towel Bars, 18" long.....	1.20	1.10
"H" One-Piece Towel Bars, 24" long.....	1.40	1.25
"H" One-Piece Towel Bars, 30" long.....	2.00	1.75
"K" Wall Soap Dish, 4 1/2 x 3 1/2 x 1 1/2, Medium Size.....	1.00	.85
"K" Wall Soap Dish, 5 1/2 x 4 1/2 x 1 1/2, Large Size.....	1.25	1.10

Item	White Enam'd	Nickle Plated
"J" Wood Medicine Cabinet 15 1/2 inches high; 11 1/2 inches wide. White enameled French plate mirror.....	\$4.00	
"L" Bathrub Soap Dish, 4 1/2 x 3 1/2 x 1 1/2, Medium Size.....	.90	\$0.75
"L" Bathrub Soap Dish, 5 1/2 x 4 1/2 x 1 1/2, Large Size.....	1.20	1.00
"M" Stand Soap Dish, 4 1/2 x 3 1/2 x 1 1/2, Medium Size.....	.65	.45
"M" Stand Soap Dish, 5 1/2 x 4 1/2 x 1 1/2, Large Size.....	.90	.75
"N" Tooth Brush Holder.....	.80	.50
"O" Milk White Glass Shelf, 5" wide, 1/4" thick, edges rounded and polished, enameled brackets, 18" long.....	\$2.75	

Item	White Enam'd	Nickle Plated
"O" Milk White Glass Shelf, 5" wide, 1/4" thick, edges rounded and polished, enameled brackets, 24" long.....	\$3.00	
"O" Milk White Glass Shelf, 5" wide, 1/4" thick, edges rounded and polished, enameled brackets, 30" long.....	\$3.75	
"O" Crystal Glass Shelf, 5" wide, 1/4" thick, edges rounded and polished, nickel-plated brackets, 18" long.....	\$2.25	
"O" Crystal Glass Shelf, 5" wide, 1/4" thick, edges rounded and polished, nickel-plated brackets, 24" long.....	\$2.50	
"O" Crystal Glass Shelf, 5" wide, 1/4" thick, edges rounded and polished, nickel-plated brackets, 30" long.....	\$3.00	



# General Plumbing Accessories

## Sink Plugs



**5-A-1729.**  
Furnished complete as illustrated, nickel-plated. Each... **25c**

## Sink Brackets



**5-A-1723.**  
Black Japanned steel sink bracket of neat design, strong and substantial. For sinks 18 ins. and 16 ins., per pair **60c**  
For sinks 20 ins. and larger, per pair... **75c**



## Force Cups

**5-A-3033.**  
Used to force obstruction from closets, lavatories and sinks. Place the rubber cup over the opening and press down; this will form a suction and remove almost any obstruction, saving a plumber's bill which will easily pay for the force cup many times over. Without handle. Price, each... **35c**

## Low Tank Closet Valves



**5-A-1300.**  
High grade pure rubber low tank closet valves. Choice of three sizes. Replace your leaky valve and water you are now wasting. They are quickly and easily replaced. Shipping weight about 6 ounces.  
2 inch. Price... **20c**  
2 1/2 inch. Price... **24c**  
2 3/4 inch. Price... **30c**

## Rubber Fuller Balls

**5-A-1302.** Rubber Balls for Fuller bibbs. Sizes for bibbs, 1/4, 3/8. State size wanted and whether for hot or cold water. Shipping weight, 2 balls, about 2 ounces. Price for 2 balls... **5c**

## Combination Ferrules



**Lead and Iron**  
**5-A-2817.**  
Length, inches.  
6 12  
1 1/2 x 2 ins. Price, ea. **\$0.55** **\$0.87**  
1 3/4 x 2 ins. Price, ea. **.57** **.89**  
2 ins. Price, ea. **.60** **.99**  
4 ins. Price, ea. **1.10** **1.80**

## Brass Ferrules

Used in connecting lead waste pipe to soil pipe.



**5-A-2841.** 2x1 1/2 x 3 Each... **30c**  
**5-A-2843.** 4x4 ins. Each... **60c**

## Lead Bends

### Standard Grades



### Short Bends.

**5-A-2831.** 4x12. Each **\$2.20**

### Long Bends

**5-A-2837.** 4x18. Each **\$3.00**

## Lead and Brass Traps



Lead "S" Trap.

**Short Lead "S" Traps** with iron pipe connections on outlet end.

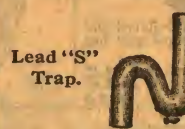
**5-A-2857.** 1 1/4 ins. Price, each... **\$1.25**

**5-A-2859.** 1 1/2 ins. Price, each... **\$1.70**



1 1/2 "P" Trap

**No. 5-A-2704.** Nickel Plated Brass "P" Trap Fitted with 1 1/2 inch adjustable lock nut and 1 1/2 inch cast brass elbow threaded for iron pipe connection. Shipping weight about 12 ounces. Price, each... **\$1.35**



Lead "N" Trap.

**Short Lead "S" Traps,** plain ends in two standard sizes.

**5-A-2851.** 1 1/4 ins. Each... **75c**

**5-A-2853.** 1 1/2 ins. Each... **\$1.20**



**Long Lead "S" Traps,** with iron pipe connection on outlet end.

**5-A-2871.** 1 1/4 ins. Price, each... **\$1.75**

**5-A-2873.** 1 1/2 ins. Price, each... **\$2.25**



**Long Lead "S" Traps,** with plain ends. Two standard sizes.

**5-A-2863.** 1 1/4 ins. Price, each... **\$1.20**

**5-A-2865.** 1 1/2 ins. Price, each... **\$1.75**

**Half "S" or "P" Traps,** with iron pipe connection on outlet end.

**5-A-2887.** 1 1/4 ins. Price, each... **\$1.15**  
**5-A-2889.** 1 1/2 ins. Price, each... **\$1.50**



**Half "S" or "P" Lead Traps,** in two standard sizes.

**5-A-2879.** 1 1/4 ins. Price, each... **67c**  
**5-A-2881.** 1 1/2 ins. Price, each... **98c**



## Iron and Lead Traps



Cast Iron Bath Traps

**5-A-2811.**

Complete with Nickel plated covers for sinks, laundry tubs, bath tubs, etc. Tapped side and bottom for 1 1/2 in. iron pipe. 4x5x1 1/2 ins. **\$1.00**



**5-A-1532.**

Size, 4x8 ins. Tapped both sides for 1 1/2 in. pipe. Ship. wt. about 15 1/2 lbs. Price... **\$1.25**



Cast Iron Sink Traps

**5-A-1537.**

Cast iron with brass cleanout plug connected direct to sink with bolts. Tapped for 1 1/2 in. pipe connection. Ship. wt. about 4 1/2 lbs. Price... **\$5c**

**Lead Drum Traps.**  
**5-A-2815.**

With nickel plated brass trap screw, size 4 x 9 inches. Each... **\$2.75**

## Lead Bends

With Ferrules



Width, 5 1/2 inches, Inlet.

**5-A-2819.** 4x12. Each... **\$2.85**

**5-A-2821.** 4x14. Each... **\$3.15**

**5-A-2825.** 4x18. Each... **\$3.65**

## Closet Bends

Cast Iron



**5-A-2839.** Adjustable Flange Closet Bend. Size, 4x15 inches. Tapped both sides for 1 1/2 inch iron pipe. Shipping weight about 18 lbs. Price... **\$1.75**

**5-A-2839 1/2.** Plain Bend, 4x15 ins., not tapped. Price... **\$1.40**

## Sink Strainers

**5-A-1727.**

Nickel-plated sink strainers. Each... **15c**



## Sink Couplings



Illustration at left shows sink couplings for lead pipe connections.

Illustration at right shows sink couplings for iron pipe connections.

**5-A-1737.** Cast Iron coupling for lead pipe connections... **6c**

**5-A-2739.** Cast iron couplings for 1 1/2 inch and 1 1/4 inch iron pipe connections. Each... **20c**

## Bath Tub Plugs

**5-A-3143.** Heavily nickel plated for lead pipe. Price... **\$1.25**

**5-A-3144.** Heavily nickel plated for iron pipe. Price... **\$1.50**



## Sink Bolts

**5-A-1733.** Screw head bolts for cast iron sinks. Each... **2c**



## Brass Soldering Union

**5-A-2905.** Used to connect lead with iron.



Size, inches...	3/8	1/2	3/4	1
Price, each...	15c	20c	25c	33c
Size, inches...	1 1/4	1 1/2	1 3/4	2
Price, each...	43c	49c	60c	

## Brass Soldering Nipple

**5-A-2903.** Used to connect lead with iron pipe.

Size, inches...	1/2	3/4	1
Price, each...	14c	20c	27c
Size, inches...	1 1/4	1 1/2	2
Price, each...	35c	50c	68c

## Rubber Extension Elbows



**5-A-2901.** Used to connect flush pipe with closet bowl, can be applied by anyone. Saves plumber's bills. Adjustable from 3 3/4 to 5 1/4 inches from end of coupling to center of elbow.

Size, inches...	1 1/4
Price, each...	30c



# GUARANTEED SOIL PIPE AND FITTINGS

Cast  
Iron

## SINGLE HUB SOIL PIPE

No. 5-A-2301. 2 in. Std. single hub.....99c  
No. 5-A-2303. 2 in. Ex. Hvy. single hub.....\$1.32  
No. 5-A-2305. 4 in. Std. single hub.....1.76  
No. 5-A-2307. 4 in. Ex. Hvy. single hub.....2.76

## QUARTER BENDS

No. 5-A-2309. 2 in. Std.....33c  
No. 5-A-2311. 2 in. Ex. Hvy.....45c  
No. 5-A-2313. 4 in. Std.....57c  
No. 5-A-2315. 4 in. Ex. Hvy.....70c

## QUARTER BENDS—SIDE INLET—RIGHT OR LEFT HAND

No. 5-A-2317. 4 in. Std., 2 in. inlet.....\$1.03  
No. 5-A-2319. 4 in. Ex. Hvy., 2 in. inlet.....\$1.28  
Cut shows right side inlet.

## QUARTER BENDS—HEEL INLET

No. 5-A-2325. 4 in. Std., 2 in. inlet.....\$1.03  
No. 5-A-2327. 4 in. Ex. Hvy., 2 in. inlet.....\$1.27

## QUARTER BENDS—DOUBLE HUB

No. 5-A-2333. 4 in. standard.....99c  
No. 5-A-2335. 4 in. Ex. Hvy.....\$1.15

## LONG QUARTER BENDS

No. 5-A-2341. 4x18 in. Std.....\$1.24

## SIXTH BENDS

No. 5-A-2345. 2 in. Std.....33c  
No. 5-A-2347. 2 in. Ex. Hvy.....37c  
No. 5-A-2348. 4 in. Std.....49c  
No. 5-A-2349. 4 in. Ex. Hvy.....61c

## EIGHTH BENDS

No. 5-A-2350. 2 in. Std.....33c  
No. 5-A-2351. 2 in. Ex. Hvy.....37c  
No. 5-A-2353. 4 in. Std.....49c  
No. 5-A-2355. 4 in. Ex. Hvy.....61c

## "T" BRANCHES

No. 5-A-2357. 2x2 Standard.....45c  
No. 5-A-2359. 2x2 Ex. Hvy.....62c  
No. 5-A-2360. 4x2 Standard.....70c  
No. 5-A-2361. 4x2 Ex. Hvy.....91c  
No. 5-A-2363. 4x4 Standard.....95c  
No. 5-A-2365. 4x4 Ex. Hvy.....\$1.15

## SANITARY "T" BRANCHES

No. 5-A-2367. 2x2 Standard.....45c  
No. 5-A-2369. 2x2 Ex. Hvy.....62c  
No. 5-A-2371. 4x2 Standard.....70c  
No. 5-A-2373. 4x2 Ex. Hvy.....90c  
No. 5-A-2375. 4x4 Standard.....94c  
No. 5-A-2377. 4x4 Ex. Hvy.....\$1.15

## SANITARY "T" BRANCH

With Side Inlet Tapped 1 1/2 in. for Iron Pipe, Right or Left Hand.  
No. 5-A-2379. 4x4 in. tapped 1 1/2 in. Std.....\$1.98  
No. 5-A-2381. 4x4 in. tapped 1 1/2 in. Ex. Hvy.....\$2.18

## VENTILATING BRANCHES WITH SIDE INLET

No. 5-A-2569. 4 x 1 1/2 Standard.....\$1.15  
No. 5-A-2571. 4 x 2 Ex. Hvy.....\$1.52

## SANITARY "T" BRANCH WITH SIDE INLET—RIGHT OR LEFT HAND

Cut shows L. H. Inlet.  
No. 5-A-2383. 4x4 with 2 in. inlet, Std.....\$1.76  
No. 5-A-2385. 4x4 with 2 in. inlet, Ex. Hvy.....\$1.97

## SANITARY "T" BRANCH TAPPED FOR IRON PIPE

No. 5-A-2407. 2 x 1 1/2 Standard.....62c  
No. 5-A-2409. 2x1 1/2 Ex. Hvy.....74c  
No. 5-A-2411. 2x2 Standard.....62c  
No. 5-A-2413. 2x2 Ex. Hvy.....74c  
No. 5-A-2415. 4x1 1/2 Standard.....\$1.03  
No. 5-A-2417. 4x1 1/2 Extra Heavy.....\$1.28  
No. 5-A-2419. 4x1 1/2 Standard.....\$1.03  
No. 5-A-2421. 4x1 1/2 Extra Heavy.....\$1.28  
No. 5-A-2423. 4x2 Standard.....\$1.03  
No. 5-A-2425. 4x2 Extra Heavy.....\$1.28

## "T" BRANCH WITH HAND HOLE FOR CLEAN OUT

No. 5-A-2431. 4 in. Std.....\$1.52  
No. 5-A-2433. 4 in. Ex. Hvy.....\$1.90

## CROSSES

No. 5-A-2439. 4 x 4 Standard.....\$1.48  
No. 5-A-2441. 4 x 4 Ex. Hvy.....\$1.78

## SANITARY CROSSES

No. 5-A-2447. 4x2 Standard.....\$1.48  
No. 5-A-2449. 4x2 Ex. Hvy.....\$1.78  
No. 5-A-2451. 4x Standard.....\$1.48  
No. 5-A-2453. 4x4 Ex. Hvy.....\$1.78

## TAPPED CROSSES

Side Opening for Standard Iron Pipe  
No. 5-A-2459. 2x1 1/2 Standard.....95c  
No. 5-A-2461. 2x1 1/2 Ex. Hvy.....\$1.15  
No. 5-A-2463. 2x2 Standard.....95c  
No. 5-A-2465. 2x2 Extra Heavy.....\$1.15  
No. 5-A-2471. 4x1 1/2 Standard.....\$1.15  
No. 5-A-2473. 4x1 1/2 Ex. Hvy.....\$1.40  
No. 5-A-2475. 4x2 Standard.....\$1.15  
No. 5-A-2477. 4x2 Extra Heavy.....\$1.40

## SANITARY CROSSES TAPPED FOR STANDARD IRON PIPE

No. 5-A-2483. 2 x 1 1/2 Standard.....\$1.03  
No. 5-A-2485. 2 x 1 1/2 Ex. Hvy.....\$1.28  
No. 5-A-2487. 2 x 2 Standard.....\$1.03  
No. 5-A-2489. 2x2 Ex. Hvy.....\$1.28  
No. 5-A-2495. 4x1 1/2 Standard.....\$1.44  
No. 5-A-2497. 4x1 1/2 Ex. Hvy.....\$1.76  
No. 5-A-2499. 4x2 Standard.....\$1.44  
No. 5-A-2501. 4x2 Extra Heavy.....\$1.76

## "S" TRAPS WITH HAND HOLE AND COVER

No. 5-A-2689. 4 in. Std.....\$1.92  
No. 5-A-2691. 4 in. Ex. Hvy.....\$2.55

## SIDE OPENING BRANCHES TAPPED FOR IRON PIPE

No. 5-A-2387. 2 x 1 1/2 Standard.....57c  
No. 5-A-2389. 2 x 1 1/2 Ex. Hvy.....70c  
No. 5-A-2391. 2 x 2 Standard.....67c  
No. 5-A-2393. 2 x 2 Ex. Hvy.....70c  
No. 5-A-2395. 4 x 1 1/2 Standard.....83c  
No. 5-A-2397. 4 x 1 1/2 Ex. Hvy.....\$1.03  
No. 5-A-2399. 4 x 1 1/2 Standard.....83c  
No. 5-A-2401. 4 x 1 1/2 Ex. Hvy.....\$1.03  
No. 5-A-2403. 4 x 2 Standard.....83c  
No. 5-A-2405. 4 x 2 Ex. Hvy.....\$1.03

## "Y" BRANCHES

No. 5-A-2502. 2 x 2 Standard.....45c  
No. 5-A-2503. 2 x 2 Ex. Hvy.....61c  
No. 5-A-2504. 4 x 2 Standard.....70c  
No. 5-A-2505. 4 x 2 Ex. Hvy.....89c  
No. 5-A-2506. 4 x 4 Std.....95c  
No. 5-A-2507. 4 x 4 Ex. Hvy.....\$1.15

## OFF-SETS

No. 5-A-2539. 2 x 12 Standard.....95c  
No. 5-A-2541. 2 x 12 Ex. Hvy.....\$1.15  
No. 5-A-2543. 4 x 4 Standard.....90c  
No. 5-A-2545. 4 x 4 Extra Heavy.....\$1.03  
No. 5-A-2547. 4 x 6 Standard.....90c  
No. 5-A-2549. 4 x 6 Extra Heavy.....\$1.15  
No. 5-A-2551. 4 x 12 Standard.....\$1.32  
No. 5-A-2553. 4 x 12 Extra Heavy.....1.65

## VENTILATING CAPS

No. 5-A-2599. 4 x 6 Standard.....74c  
No. 5-A-2601. 4 x 6 Ex. Hvy.....90c  
No. 5-A-2603. 4 x 12 Standard.....\$1.48  
No. 5-A-2605. 4 x 12 Ex. Hvy.....\$2.15

## PIPE RESTS

No. 5-A-2625. 2 in. Standard.....24c  
No. 5-A-2627. 2 in. Ex. Hvy.....32c  
No. 5-A-2629. 4 in. Standard.....33c  
No. 5-A-2631. 4 in. Ex. Hvy.....36c

## ADJUSTABLE ROOF FLANGE

Made of Galvanized Iron—will fit any pitch.  
No. 5-A-1085. 1 1/2 in.....95c  
No. 5-A-1087. 1 1/2 in.....97c  
No. 5-A-1089. 2 in.....\$1.10  
No. 5-A-1091. 4 in.....\$1.25  
No. 5-A-1091 1/2. 5 in.....\$1.60

## TAPPED INCREASERS—SMALL OPENING TAPPED FOR STANDARD PIPE

No. 5-A-2573. 1 1/2 to 4 in. Standard.....\$1.23  
No. 5-A-2575. 1 1/2 to 4 in. Ex. Hvy.....\$1.52  
No. 5-A-2577. 2 to 4 in. Standard.....\$1.23  
No. 5-A-2579. 2 to 4 in. Ex. Hvy.....\$1.52

## REDUCERS

No. 5-A-2581. 4 to 2 in. Standard.....38c  
No. 5-A-2583. 4 to 2 in. Ex. Hvy.....36c

## DOUBLE HUB SOIL PIPE

No. 5-A-2302. 2 in. Std. double hub.....\$1.06  
No. 5-A-2304. 2 in. Ex. Hvy. double hub.....1.37  
No. 5-A-2306. 4 in. Std. double hub.....1.85  
No. 5-A-2308. 4 in. Ex. Hvy. double hub.....2.88

## DOUBLE HUBS

No. 5-A-2585. 2 inch Standard.....33c  
No. 5-A-2587. 2 in. Ex. Hvy.....37c  
No. 5-A-2589. 4 inch Standard.....50c  
No. 5-A-2590. 4 in. Ex. Hvy.....62c

## "S" TRAPS

No. 5-A-2634. 4 in. Std.....\$1.24  
No. 5-A-2635. 4 in. Ex. Hvy.....\$1.53

## HALF "S" TRAPS

No. 5-A-2645. 2 in. Std.....74c  
No. 5-A-2647. 2 in. Ex. Hvy.....90c  
No. 5-A-2649. 4 in. Std.....\$1.24  
No. 5-A-2651. 4 in. Ex. Hvy.....\$1.53

## RUNNING TRAPS

No. 5-A-2657. 4 in. Std.....\$1.24  
No. 5-A-2659. 4 in. Ex. Hvy.....\$1.53

## ROOF PLATES

No. 5-A-2607. 4 in. Std.....62c  
No. 5-A-2609. 4 in. Ex. Hvy.....74c

## HALF "S" TRAPS WITH HAND HOLE AND COVER

No. 5-A-2713. 4 in. Std.....\$1.92  
No. 5-A-2715. 4 in. Ex. Hvy.....\$2.55

## RUNNING TRAPS WITH HAND HOLE AND COVER

No. 5-A-2745. 4 in. Std.....\$1.92  
No. 5-A-2747. 4 in. Ex. Hvy.....\$2.55

## LONG INCREASERS FOR CALKING

No. 5-A-2717. 2 to 4 x 24 in. long. Std.....\$1.03  
No. 5-A-2719. 2 to 4 x 24 in. long. Ex. Hvy.....\$1.28  
No. 5-A-2737. 4 to 5 in., 30 in. long. Std.....\$1.65  
No. 5-A-2739. 4 to 5 in., 30 in. long. Ex. Hvy.....\$2.00

## LONG INCREASERS TAPPED FOR IRON PIPE

No. 5-A-2723. 4x24 tapped 2 in. Std.....\$1.85  
No. 5-A-2727. 4x24 tapped 2 in. Ex. Hvy.....\$2.27

## CLEAN OUT PLUGS

Iron Ferrule with Brass Trap Screw.  
No. 5-A-2759. 2 in.....30c  
No. 5-A-2761. 4 in.....45c

## CAST IRON CESSPOOLS WITH BELL TRAPS

5-A-2753. 6x6.....58c  
5-A-2755. 9x9.....\$1.10  
5-A-2757. 12x12.....\$1.60



# INJECTORS AND LUBRICATORS

## Leader Injector



**\$6.70**

**5-A-6002.** Has no movable parts in its internal construction. No loose valves, rings or springs to get out of order. Has a great range of work under various conditions. It heats feed water to 200 degrees or more, according to conditions, making it very efficient, and by feeding through a closed "heater," efficiency is unequalled.

No. of Steam Inj.	Size of pipes, Pipe & feed	Horse Power of Boiler Will Feed	Gallons per hour 60 lbs. Steam	Price Each
1	3/4	3 to 7	60	\$ 6.70
2	3/4	7 to 10	90	7.55
3	3/4	12 to 18	150	9.20
4	3/4	18 to 25	220	10.50
5	3/4	25 to 35	300	12.60
6	3/4	35 to 45	400	14.70
7	3/4	45 to 60	500	16.80
8	3/4	60 to 70	600	18.90
9	1	70 to 90	750	23.10
10	1	100 to 125	1000	27.30

## Chicago Automatic Injector



**5-A-6008.** Simplest automatic injector. Consists of three tubes, a body or shell and one check valve and pushing, held to place by screw thread joints and cannot drop out and become lost. The steam jet and forcing tube may be removed by monkey wrench and cleaned without breaking any pipe joints or removing injector from boiler.

Will start low from 15 to 20 lbs. steam pressure on 4 ft lift and will work high from 135 to 145 lbs. steam pressure or on a 20 to 22 ft. lift with a 60 to 90 lb. steam pressure. Will work water 120 to 125 degrees hot.

Size	Pipe con. Inches	Cap. per Hour	H.P. based on Ordinary Tub. Boiler	Price
No. 00.....	3/4	80	4 to 11	\$ 4.20
No. 0.....	3/4	135	10 to 19	4.75
No. 1.....	3/4	180	15 to 24	5.25
No. 2.....	3/4	260	18 to 34	6.55
No. 3.....	3/4	355	20 to 47	7.65
No. 4.....	1	475	40 to 64	10.50
No. 5.....	1	600	45 to 80	11.85
No. 6.....	1 1/4	800	55 to 106	15.55

## Brass Steam Whistles

### 5-A-6535.

Made of high grade steam metal and furnished complete with spring valves.

Diam. of Bell.	Size of Pipe connection	Price
1 1/4	3/4	\$2.65
1 1/2	3/4	3.25
2	3/4	3.45
2 1/2	3/4	4.70
3	1	5.75
3 1/2	1	7.25
4	1 1/4	9.75
		12.60

## Water Gauges



**5-A-9501.** With brass body, iron wheels, two guards to protect glass tube.

Size	Glass	Price
1/2	1/2	1.50
3/4	3/4	1.60
1	1	1.75
1 1/2	1 1/2	2.65

## Scotch Glass Tubes for Water Gauges

Length, Ina.	Price, Doz. 1/2 Ina.	Price, Doz. 3/4 Ina.	Price, Doz. 1 Ina.
10	\$1.15	\$1.17	\$1.36
11	1.21	1.23	1.50
12	1.35	1.37	1.62
13	1.44	1.46	1.80
14	1.58	1.60	1.94
15	1.67	1.70	2.07

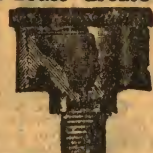


## Polished Brass Oil Cups

**5-A-6019.** High grade oil cups, made of brass nicely polished.

Diam. of Body	Pipe, Size, Inches	Price Each
3/4	3/4	\$0.25
1	3/4	.30
1 1/4	3/4	.45
1 1/2	3/4	.75
2	3/4	1.20

## Plain Brass Grease Cups



### 5-A-6021.

Size	Inside Dia., Inches	Shank Thread	Grease Ozs.	Price Each
00	1	3/4	3/4	\$0.35
0	1 1/4	3/4	3/4	.45
1	1 1/2	3/4	1	.57
2	2	3/4	2	.75
3	2 1/2	3/4	3 1/2	1.10
4	3	3/4	5	1.45

## Automatic Grease Cups for Bearings of All Kinds

### 5-A-6002.



Size	Inside Dia., Inches	Shank Thread	Cap (Grease) Ozs.	Price Each
00	3/4	3/4	3/4	\$0.90
0	1 1/4	3/4	1	1.15
1	1 1/2	3/4	1 1/2	1.45
2	2	3/4	3	1.85
3	2 1/2	3/4	6	2.45



## Sight-feed Snap Lever Glass Oil Cups

**5-A-6601.** We wish to call your particular attention to the fact that it is not necessary to adjust the feed each time, it being so constructed that when the desired feed is once set it can be stopped and started at will without resetting. This particular feature will save much trouble and annoyance.

Size	Outside Dia. of Glass	Height of Glass	Capacity, Ounces	Shank Pipe, Thread	Brass finish, Price, each
0	1 1/4	1 1/4	3/4	3/4	\$1.15
1	1 1/2	1 1/2	1	3/4	1.25
1 1/2	1 1/2	1 1/2	1 1/2	3/4	1.30
2	2	1 1/2	2 1/2	3/4	1.40
3	2 1/2	2 1/2	4	3/4	1.65
4	2 1/2	2 1/2	5	3/4	2.00
5	3	3	10	3/4	2.75

## Steam Gauges



**5-A-9511.** Japanned iron case brass ring, complete with cock. They should not be used on traction or portable rigs. Always use a syphon with all steam gauges. These gauges register up to 30 lbs for low pressure and up to 200 lbs for high pressure. Give pressure wanted when ordering.

Size dials, inches.....	3 1/2	4 1/2
Price, each.....	\$2.10	\$2.25

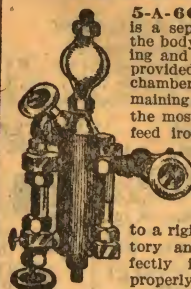
## Rubber Gauge Glass Washers

### 5-A-9523.



	Price per doz.
For 1/2 inch gauge glass.....	\$0.15
For 3/4 inch gauge glass.....	.18
For 1 inch gauge glass.....	.20

## Chicago Double Connection Sight Feed Lubricator FOR STATIONARY ENGINES



**5-A-6011.** The condenser valve is a separate piece and not part of the body, thus insuring ease of cleaning and small cost for repairs. It is provided with an ample heating chamber, which insures the oil remaining fluid even when exposed to the most severe weather. The lower feed iron is provided with a drain stem by which the sight glass may be blown out and cleaned without removing from lubricator. Each lubricator is subjected to a rigid test before leaving the factory and guaranteed to work perfectly if connected and operated properly.

Size	For Cylinder Inches	Pipe Thread on pipe arm	Price Brass Finish
3/4 pt.	under 10	3/4 inch	\$ 5.00
1 pt.	10 to 12	3/4 inch	8.20
1 qt.	12 to 18	3/4 inch	10.20
1 gal.	18 to 30	3/4 inch	12.40
	30 and over	3/4 inch	19.00

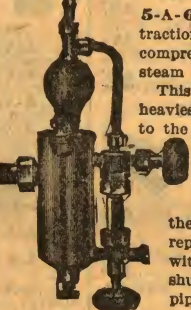


## Standard Cylinder Lubricator

**5-A-6017.** Made of the best steam metal, wood handles, and intended for those who desire a cheap, reliable lubricator.

No.	Size Thread	Price Each
1	1 1/2	\$1.80
2	1 1/2	1.90
3	2	2.10
4	2 1/2	2.30
5	2 1/2	2.75
6	3	3.45

## Sight Feed Single Connection Lubricator



**5-A-6013.** For stationary and traction engines, steam pumps, air compressors, and all classes of steam cylinders.

This lubricator will feed the heaviest oils even when exposed to the severest weather and when once adjusted will feed regularly down to the last drop. The steam can be shut off from all parts of the lubricator and any part be repaired, or valve replaced, without stopping engine or shutting off pressure from steam pipe.

Size	3/4 pt.	1 pt.	1 1/2 pt.	1 qt.	1 gal.
Pipe thread, in. . . . .	3/4	3/4	3/4	3/4	3/4
Price, each.....	\$7.00	\$7.20	\$8.60	\$9.80	\$11.60

## Double Connection Sight Feed Lubricator



**5-A-6015.** For steam pumps, stationary and portable engines.

This is a medium priced, reliable lubricator for use on steam pumps and stationary engines which are exposed to the cold, and possesses all the advantages and features as contained in the Chicago single connection lubricator of the same style.

Size	3/4 pt.	1 pt.	1 1/2 pt.	1 qt.	1 gal.
Pipe thread, in. . . . .	3/4	3/4	3/4	3/4	3/4
Price, each.....	\$6.80	\$7.00	\$7.40	\$9.60	\$11.40



# Black Wrought Steel Pipe Galvanized

## New Black and Galvanized Pipe

**6-A-1.** Brand new black and galvanized wrought steel pipe, fully tested and guaranteed. Best quality made, easily cut and threaded. Comes in standard full lengths ranging from 18 to 21 feet; each length threaded on both ends fitted with coupling on one end. Prices below are for full lengths only as it comes from the mill and are based on latest market prices. All prices shown are for quantities up to 1,000 feet. Ask for special prices on larger quantities. Freight prepaid prices quoted on request. Size of pipe determined by its inside diameter.

Inside Diameter Inches	Outside Diam. inches	Weight, Per ft., Lbs.	Price, Per ft., Black	Price, Per ft., Galv.
Three-eighths.....	0.67	0.56	\$0.04½	\$0.06½
One-half.....	0.84	0.85	.05½	.07½
Three-quarters.....	1.05	1.13	.07	.09
One.....	1.31	1.68	.10	.12½
One and one-quarter.....	1.66	2.28	.13½	.17
One and one-half.....	1.9	2.73	.16	.20
Two.....	2.37	3.67	.22	.27
Two and one-half.....	2.87	5.81	.34	.43
Three.....	3.5	7.61	.44	.56
Three and one-half.....	4.	9.20	.56	.71
Four.....	4.5	10.88	.67	.85
Four and one-half.....	5.	12.64	.78	
Five.....	5.56	14.81	.91	
Six.....	6.62	19.18	1.18	

We can furnish all sizes to up 12 inches. Write for prices on larger sizes.

## Boiler Tubes for Retubing Purposes

**6-A-9.** Carefully selected over-hauled boiler tubes guaranteed satisfactory for retubing boilers of every kind. All tubes tested and inspected before shipment. Orders are accepted with the understanding that unsatisfactory boiler tubes can be returned to us, upon inspection we will cheerfully exchange them for other tubes or return your money. These tubes are cut to lengths, they have square ends and are perfectly straight.

Outside Diam., ins.	Inside Diam., ins.	Wt., per ft.	Price, per ft.
Two.....	1.81	1.93	\$0.10
Two and one-quarter.....	2.06	2.18	.12
Three.....	2.78	3.36	.15
Three and one-quarter.....	3.01	4.01	.16
Three and one-half.....	3.26	4.33	.18
Four.....	3.73	5.53	.20

All Pipe Prices Above Are Subject to Market Changes and Stock on Hand

## Overhauled Black Pipe

**6-A-5.** Used pipe carefully over-hauled and selected for steam, water, gas, oil, railing and general purposes. Always a big stock on hand which comes to us in connection with our big purchases of complete plants and dismantling contracts. Ends are carefully cut off, properly threaded where necessary and supplied with good couplings. Painted with good asphalt paint before shipment. All pipe straight and free from defects. Random lengths. Prices are for quantities up to 1,000 feet. Freight paid and prices on request. Write for special prices on larger quantities.

Inside Diameter, ins.	Outside Diam. Inches	Wt., per ft., lbs.	Price, per ft., Black
Three-eighths.....	0.67	0.56	\$0.02
One-half.....	0.84	0.85	.03
Three-quarters.....	1.05	1.13	.04
One.....	1.31	1.68	.06
One and one-quarter.....	1.66	2.28	.08½
One and one-half.....	1.9	2.73	.10
Two.....	2.37	3.67	.14
Two and one-half.....	2.87	5.81	.20
Three.....	3.5	7.61	.32
Three and one-half.....	4.	9.20	.40
Four.....	4.5	10.88	.50
Four and one-half.....	5.	12.64	.56
Five.....	5.56	14.81	.70
Six.....	6.62	19.18	.85
Seven.....	7.62	23.76	1.00
Eight.....	8.62	28.80	.85

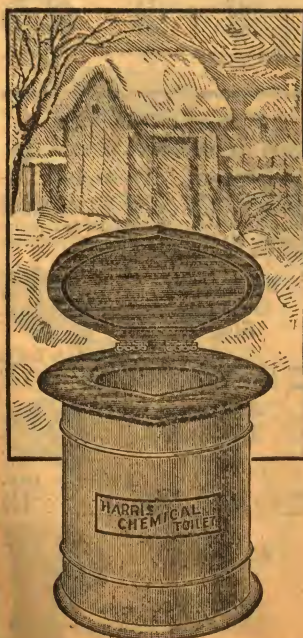
Prices on larger sizes on application.

## Pipe at Various Government Cantonment Camps

Our recent purchases of numerous big Army Camps enable us to offer you an excellent grade of black and galvanized Wrought Steel slightly used pipe. Also a large stock of Wood Stave Pipe, Steel Culvert Pipe, and Cast Iron Pipe in various sizes. This pipe has all been carefully selected and put in first-class condition. We have pipe on hand at the following Camps:

Gerstner Aviation Field, Lake Charles, Louisiana.  
Camp Shelby, Hattiesburg, Mississippi.  
Camp Pike, Little Rock, Arkansas.

If interested in any pipe from these Camps, kindly send us a list of your requirements. We will be pleased to submit prices.



It has replaced the dangerous outdoor house in thousands of homes.

## Chemical Indoor Toilet

Better  
than  
Any Other

**\$6<sup>95</sup>**

Try It  
for  
30 Days

**We Guarantee** The Harris Chemical Indoor Closet to be the most efficient toilet of its kind—absolutely odorless and sanitary, exactly as described on this page.  
HARRIS BROTHERS CO.

### Gives You the Convenience of the Modern Toilet!

Protect your family against the dangers and inconvenience of the outdoor privy—eliminate forever the breeding place of flies and contagious disease germs. A clean, sanitary method, of sewage disposal—a modern toilet easily within the reach of everyone now.

The Harris Chemical Indoor Closet is fitted with the regular shaped closet seat and cover highly finished in birch mahogany. The base and frame work of the outer casing are made of solid cast metal. The outer casing is made of rolled sheet steel, which, together with all other metal parts, including 9 feet of 3-inch exhaust pipe, are beautifully enameled in gray.

**5-A-1816.** Harris Chemical Indoor Closet, including two elbows, six lengths of 3-inch pipe, 12 inches long, wall collar, one gallon of Harris guaranteed chemical disinfectant (about 6 months' supply), carefully packed in wood box.....**\$6.95**

#### EXTRAS

Harris chemical disinfectant. Per gallon.....**\$1.50**  
Extra exhaust pipe, per 12-inch length.....**.25c**

Roof saddles, each.....**75c**  
Extra elbows, each.....**25c**  
Chemical cannot be sent by parcel Post.



Gives you the comforts of Modern plumbing without the expense.



## CAST IRON

## FITTINGS

## MALLEABLE

**Cast Iron Fittings** For Standard Wrought Iron Pipe are made of the best grade of material, carefully tapped, inspected before shipment, and guaranteed with uniform and perfect threads, suitable for a working pressure up to 125 lbs.; used on power plants, low pressure steam and hot water plants. In ordering fittings be sure and give the inside measurements of the pipe you will use the fittings with, as all pipe is listed by inside measurement only and fittings correspond. Give figure, number and price when ordering. Sizes not listed, furnished on application.



Tee.



Bushing.



Return Bend Closed.



45-deg. Elbow.



Nipple.



Union.



Side Opening Elbow.



Reducing Elbow.



Reducer.



Floor Plate.



Cross.



Plug.



Reducing Tee.



Flange Union.



Elbow.



Street Elbow.



Lock Nut.



Return Bend Open.



Cap.



Ceiling Plate.

Size		1/4	3/8	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4
No. 21-A-1.	Elbows, 90°	.05	.07	.09	.13	.17	.24	.41	.61	.83	1.00
No. 21-A-2.	Elbows, 45°	.06	.09	.10	.16	.20	.29	.50	.75	1.05	1.17
No. 21-A-3.	Elbows, Reducing	.06	.08	.10	.16	.19	.27	.50	.71	1.00	1.18
No. 21-A-4.	Elbows, R. & L.	.08	.10	.14	.19	.24	.34	.61	.91	1.26	1.47
No. 21-A-5.	Tees	.08	.12	.14	.23	.28	.39	.70	1.05	1.47	1.68
No. 21-A-6.	Tees, Reducing	.13	.16	.23	.35	.45	.63	1.09	1.68	2.27	2.65
No. 21-A-7.	Crosses	.15	.21	.25	.39	.50	.67	1.22	1.85	2.51	2.94
No. 21-A-8.	Crosses, Reducing	.03	.03	.03	.04	.07	.07	.15	.22	.30	.37
No. 21-A-9.	Plugs, Black	.03	.05	.07	.09	.11	.17	.29	.42	.64	.69
No. 21-A-10.	Plugs, Galvanized	.03	.05	.06	.07	.08	.10	.17	.25	.26	.42
No. 21-A-11.	Bushings, Black	.06	.10	.12	.14	.16	.20	.34	.50	.52	.84
No. 21-A-12.	Bushings, Galvanized	.12	.16	.21	.27	.32	.54	.34	.45	.63	.73
No. 21-A-13.	Caps, Black	.12	.16	.21	.27	.32	.54	.34	.45	.63	.73
No. 21-A-14.	Couplings, R. & L.	.07	.11	.14	.18	.23	.30	.43	.64	.86	1.07
No. 21-A-15.	Couplings, Black	.11	.14	.19	.27	.34	.44	.59	.86	1.13	1.50
No. 21-A-16.	Couplings, Galvanized	.32	.39	.44	.54	.66	.83	1.05	1.26	1.51	1.77
No. 21-A-17.	O. P. Return Bends	.17	.22	.25	.34	.46	.67				
No. 21-A-18.	C. P. Return Bends	.15	.17	.18	.24	.34	.48				
No. 21-A-19.	Reducers							1.26	2.00	2.52	3.38
No. 21-A-20.	Reducers										
No. 21-A-21.	Nipples, Short, Black	.04	.05	.06	.08	.09	.13	.28	.34	.57	.65
No. 21-A-22.	Nipples, Long, Black	.05	.06	.09	.12	.14	.19	.42	.51	.80	.92
No. 21-A-23.	Nipples, Short, Galvanized	.05	.06	.09	.12	.15	.20	.41	.51	1.00	1.12
No. 21-A-24.	Nipples, Long, Galvanized	.09	.10	.14	.21	.26	.34	.63	.80	1.42	1.56
No. 21-A-25.	Nipples, R. & L., Black	.07	.09	.13	.16	.19	.26				

**Malleable Iron Fittings** For Standard Wrought Iron Pipe are made of the best grade of malleable iron, great care being used in the selection of material and their manufacture; all fittings are inspected and tested before shipment, guaranteed water, air and gas tight. Give figure, number and price when ordering.

Size		1/4	3/8	1	1 1/4	1 1/2	2
No. 21-A-26.	Elbows, Black	.05	.06	.07	.10	.17	.26
No. 21-A-27.	Elbows, Galvanized	.07	.09	.10	.15	.26	.37
No. 21-A-28.	Elbows, Reducing, Galvanized	.06	.08	.13	.16	.21	.32
No. 21-A-29.	Elbows, 45°, Galvanized	.05	.06	.09	.12	.20	.37
No. 21-A-30.	Elbows, 45°, Black	.04	.05	.09	.12	.21	.28
No. 21-A-31.	Elbows, Street, Black	.04	.08	.10	.11	.17	.23
No. 21-A-32.	Elbows, Street, Galvanized	.06	.10	.13	.17	.27	.41
No. 21-A-33.	Tees, Black	.05	.09	.12	.17	.22	.27
No. 21-A-34.	Tees, Galvanized	.08	.11	.12	.19	.33	.43
No. 21-A-35.	Tees, Reducing, Galvanized	.08	.11	.15	.20	.35	.45
No. 21-A-36.	Crosses, Galvanized	.09	.14	.22	.33	.38	.48
No. 21-A-37.	Reducers, Galvanized	.04	.05	.09	.14	.16	.25
No. 21-A-38.	Caps, Black	.02	.04	.05	.09	.10	.12
No. 21-A-39.	Caps, Galvanized	.03	.05	.08	.12	.15	.19
No. 21-A-40.	Return Bends, O. P.	.06	.10	.18	.26	.31	.45
No. 21-A-41.	Lock Nuts, Galvanized	.02	.03	.04	.07	.08	.09
No. 21-A-42.	Unions, Black	.13	.15	.18	.22	.31	.38
No. 21-A-43.	Unions, Galvanized	.20	.22	.27	.33	.46	.59

### Cast Iron Black Drainage Fittings Threaded for Wrought Iron Pipe

These fittings have an interior shoulder to which the pipe screws up flush, thus giving an unobstructed passage, preventing pipe from becoming choked up by any solid matter.



Drainage Basin Tee

No. 21-A-124.  
Size, 1 1/2 inches. Price.....47c  
Size, 2 inches. Price.....70c



Drainage Street Elbow

No. 21-A-125. Cast Iron  
Size, 1 1/2 inches. Price.....36c



Wrought Iron Long Screw

No. 21-A-126.  
with Coupling and Lockout, Faced.  
Galvanized  
Size, 1 1/2"x5 1/4" long. Price.....96c  
Size, 2"x6" long. Price.....1.00

### ALL PRICES ON THIS PAGE SUBJECT TO CHANGE How to Order Reducing Tees and Crosses

**Reducing Tees**  
1st. Always give end or run openings. Then side openings.

Example  
1 1/4



Order should read: "2x1 1/2x1 1/4."

**Reducing Crosses**  
Always mention all openings. Reading straight across, then up and down. Example 1



Order should read: "2x2x1x1."

### CAST IRON FLANGE

When ordering cast iron flanges, be sure to mention size of pipe and diameter of flange. We can furnish in three ways: "Not Faced or Drilled," "Faced" and "Faced and Drilled." When ordering be sure to give size, figure number and price. Bolts are extra.

Inside Flange, Inch.	Outside Flange, Inch.	"Faced."	"Faced and Drilled."	Inside Flange, Inch.	Outside Flange, Inch.	"Faced."	"Faced and Drilled."
2 1/2	6	\$0.60	\$0.82	4	9	\$1.10	\$1.47
3	7	.70	.88	5	10	1.30	1.65
3 1/2	7 1/2	.80	1.00	6	11	1.62	2.05
	8 1/2	.96	1.25				

### Wrought Iron Pipe Cast Iron Black Drainage Fittings. Threaded.

NOTICE.—The sizes given for fittings refer to the size of the pipe on which fittings are to be used. Carefully measure the inside of the pipe, NOT the coupling, and order by this size.

#### 90 Degree Drainage Elbow



No. 21-A-121.  
Size, 1 1/2 inches. Price.....31c  
Size, 2 inches. Price.....47c

#### 45 Degree Drainage Elbow



No. 21-A-122.  
Size, 1 1/2 inches. Price.....31c  
Size, 2 inches. Price.....47c

#### 45 Degree Y Drainage



No. 21-A-127.  
Size, 1 1/2 inches. Price.....54c  
Size, 2 inches. Price.....79c



# Branch Tees and Manifolds

All openings or runs in manifolds are tapped right hand thread. Figure No. 1 is tapped right hand thread both run and branches. Figures No. 2 and 3 are tapped left hand thread so when ordering manifolds it is necessary always to order one Figure No. 1 in connection with either Figure No. 2 or 3 as this will then give you one manifold with a right hand thread and one with a left hand thread.

When figuring the price on Figures No. 2 and 3 manifolds, always take the price of the one branch larger on account of the back opening being charged as a branch. In other words, if you wish to order a six branch manifold Figure No. 2 or 3, the price would be the same as that of a No. 7. This only applies to Figures No. 2 and 3.

ALL PRICES ON THIS PAGE SUBJECT TO CHANGE

FOR CIRCULATION



Fig. 1

1 in. Branch Tees 1 in. or 1 1/4 in. run are 1 1/4 in. inside diameter.  
1 in. Branch Tees 1 1/4 in. or 2 in. run are 2 1/4 in. inside diameter.  
1 1/4 in. Branch Tees are all 2 1/4 in. inside diameter.

FOR CIRCULATION



Fig. 2

1 1/4 in. Branch Tees are all 2 1/4 in. inside diameter.  
2 in. Branch Tees are all 3 1/4 in. inside diameter.  
Always order Branch Tees by size and figure number.

FOR BOX COILS

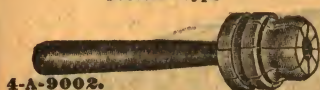


Fig. 3

No. of Branches	1" Branch Tees, 2 1/4" C. to C.			1 1/4" Branch Tees 3" C. to C.			1 1/2" Branch Tees 3 1/2" C. to C.			2" Branch Tees 4 1/4" C. to C.		
	1" or 1 1/4" Run	1 1/4" Run	2" Run	1 1/4" or 1 1/2" Run	2" Run	2 1/4" Run	1 1/2" or 2" Run	2 1/4" Run	3" Run	2" Run	3" or 3 1/4" Run	3 1/2" Run
2	\$0.84	\$0.93	\$1.07	\$1.57	\$1.74	\$2.24	\$2.52	\$3.23	\$3.55	\$4.91	\$5.37	\$5.37
3	.98	1.08	1.26	1.87	2.24	2.65	3.13	3.88	4.30	5.98	6.54	6.54
4	1.07	1.21	1.50	2.24	2.70	3.31	3.74	4.67	5.13	7.14	7.94	7.94
5	1.09	1.35	1.72	2.62	2.91	3.69	4.35	5.37	5.73	8.23	9.11	9.11
6	1.48	1.63	1.95	2.99	3.64	3.93	4.91	6.07	6.76	9.91	10.98	10.98
7	1.74	2.06	2.28	3.36	4.20	4.62	5.47	6.54	7.94	10.74	11.91	11.91
8	2.05	2.28	2.56	4.01	4.90	6.35	6.07	7.72	8.41	11.44	12.61	12.61
9	2.48	2.70	3.18	4.49	5.46	6.39	7.11	8.65	9.35	12.61	14.02	14.02
10		3.07	3.74	4.67	5.85	6.75	7.48	9.10	9.97			
11		4.20	4.49	4.90	6.07	7.14	7.94	9.81	10.74			
12		4.43	4.76									

## SECTIONAL SPRING TUBE EXPANDER

Prossor Type



4-A-9002.

The Prossor Type Sectional Spring Tube Expander. A heavy, substantial tool, same style as used in boiler shops. Made of the highest grade tool steel for 1/2 inch boiler. In ordering be sure and give outside diameter of tubes.  
Size, ins.... 1 1/2 2 2 1/4 2 3/4 3  
Price, each... \$5.40 \$5.50 \$6.90 \$8.00 \$11.70

## EXPANSION FLUE BRUSHES



4-A-9009. Made of malleable iron and tempered steel. Sizes given are for flues outside diameter.

Size Inches	Price Each	Size Inches	Price Each
1 1/2	\$1.20	2 1/4	\$1.50
1 3/4	1.25	3	1.80
2	1.30	3 1/4	2.10
2 1/4	1.35	4	2.40

## ENGINEERS' FAVORITE FLUE SCRAPER



4-A-9007. Has adjustable screw and good cutting edges that enable the operator to clean flues thoroughly. Sizes given are for tubes outside diameter.

Size Inches	Price Each	Size Inches	Price Each
1 1/2	\$0.55	2 1/4	\$1.15
1 3/4	.60	3	1.35
2	.95	3 1/4	1.55
2 1/4	1.05	4	1.80



4-A-9000. Beading tool for beading end of boiler tubes. Price, each.... \$0.60

## Railing Fittings (Malleable Iron)



21-A-96. To be used in connection with Standard Pipe for the purpose of constructing fences and enclosures of all kinds.

PLEASE READ WITH CARE—To construct a railing, two pipes high, the upper outlet of all fittings in the lower rail should be tapped with left hand thread. As fittings used for this purpose do not need to be steam or water tight a sufficiently clean thread to screw up well and make a good job can be made by running a left hand tap into any outlet tapped right hand. Be sure to mention when ordering Right or Left Hand.

Order from figure number above—note illustration.

Sizes, inches	1/2	3/4	1	1 1/4	1 1/2	2
No. 1. Elbow.....	\$0.06	\$0.10	\$0.14	\$0.23	\$0.32	\$0.57
No. 2. Elbow Side Outlet.....	.07	.11	.15	.25	.35	.60
No. 3. Tee.....	.06	.10	.14	.23	.33	.60
No. 4. Tee, S. Outlet.....	.07	.11	.15	.25	.35	.60
No. 5. Cross.....	.08	.12	.16	.27	.37	.65
No. 6. Cross, S. Outlet.....	.10	.15	.18	.30	.40	.70
No. 7. Floor Flange.....	.07	.11	.15	.25	.35	.60
No. 8. Acorn Ornament.....	.06	.10	.14	.23	.32	.57

## DROP FITTINGS IN BLACK AND GALVANIZED



Long Drop Elbows	Short Drop Elbows	Drop Tees
Bik. Gal. 8c 11c	Bik. Gal. 8c 11c	Bik. Gal. 7c 8c 9c 12c 13c 19c
1/2 11c	1/2 11c	1/2 11c

## CAST IRON FLOOR FLANGES

Drilled for Screws

21-A-210



Pipe size, in.	1/2	3/4	1	1 1/4	1 1/2	2
Dia. Flange	3 3/4	3 3/4	4	4 1/4	5 1/4	5 1/4
Price, ea.	.09c	.10c	.13c	.14c	.15c	.17c

## Cast Iron Hook Plates

For Pipe Spread of NUMBER OF HOOKS

No.	Inch Hooks	1	2	3	4	5	6
21-A-79.....	1	2 1/2	10c	19c	24c	27c	33c
21-A-80.....	1 1/4	3	11c	22c	28c	33c	42c
21-A-81.....	1 1/2	3 1/4	15c	29c	44c	60c	75c
21-A-82.....	2	4 1/4	23c	45c	67c	93c	\$1.19

## GALVANIZED GOOSE-NECK HYDRANTS

No. 21-A-805. A low priced, efficient hydrant, which is made in galvanized pipe only. The gooseneck has a standard hose thread to which the hose can be attached for fire protection purposes, lawn sprinkling, etc. The valve, which is placed below the frost line, is brass, and is so arranged that it will drain the hydrant when shut off, thus preventing freezing. The hydrant is provided with shut-off rod, complete as shown in illustration.



Lgth. ft.	4	5	6
Size, 1/2	\$3.15	\$3.35	\$3.55
1	4.50	4.70	4.95
1 1/2	6.80	7.00	7.20

## BOILER TUBE FERRULES

21-A-9527. Seamless Copper Boiler Tube Ferrules. Used on ends of boiler tubes to make a perfect fit and a tight job. Sizes are for tubes outside diameter.



Sizes	Width, Ins.	Thickness of Copper, Ins.	Price Each
1 1/2	1/2	1-32	\$0.07
2	3/4	1-32	.08
2 1/4	1	1-32	.09
2 3/4	1 1/4	1-32	.10
3	1 1/2	1-32	.11
3 1/4	1 3/4	1-32	.13
4	2	1-32	.18

## ROLLER TUBE EXPANDER

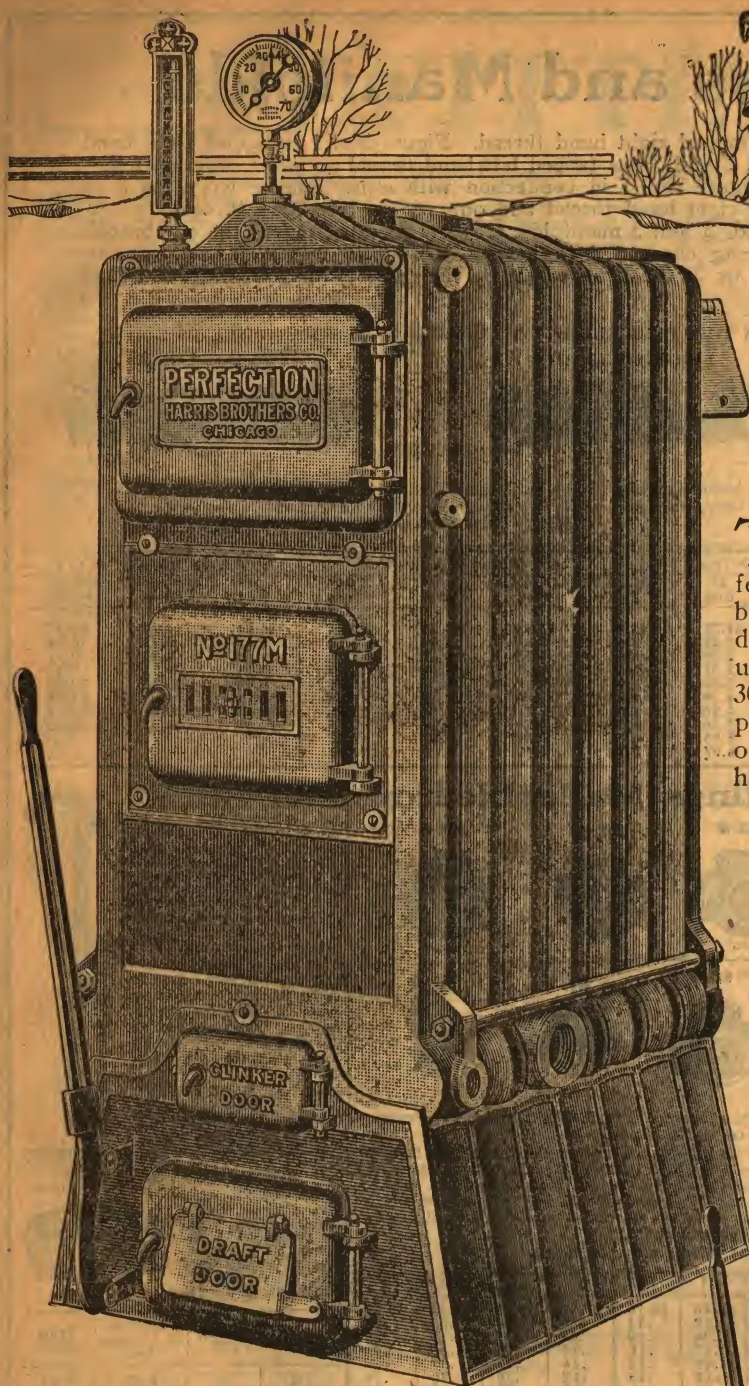
Dudgeon Pattern



4-A-9003. This expander has a solid body, thus avoiding constant breaking of cap screws. Made of the best material and finely finished. Sizes given are for outside diameter tubes. If your tube measures 2 inches outside diameter you would then require a 2 inch Expander.

Size Inches	Price Each	Size Inches	Price Each
1 1/2	\$4.00	2 1/4	\$5.60
1 3/4	4.05	3	7.20
2	4.10	3 1/4	9.20
2 1/4	4.15	4	12.00





# Perfection Heating

**For Hot Water  
and Steam  
Heating Plants!**

**T**IME TESTED and tried under all conditions in every section of the country. Perfection Boilers are the sure choice of careful buyers everywhere. The most convincing endorsement for them is the thousands now in use and their wonderful record for more than 30 years. Today they present many new improvements in addition to the exclusive and original features that gained for them home heating boiler leadership.

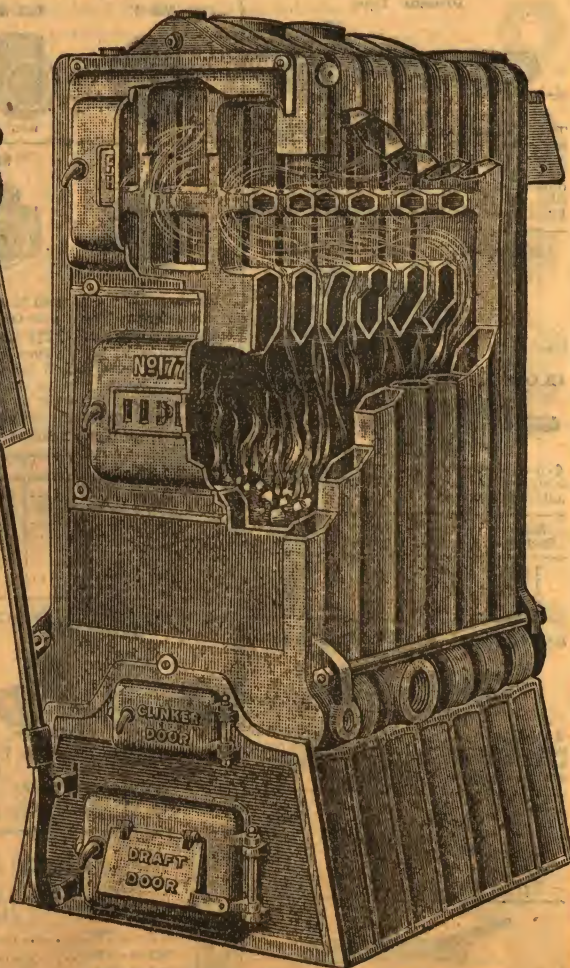
## **This Boiler Will Be Your Choice If Boiler Perfection Counts**

Perfection square sectional, steam and hot water home heating boilers as they stand today are the result of constant experimenting, improving and tests for over 30 years.

Sections are smoothly and evenly cast in one piece from best gray iron carefully tested for strength and endurance.

Maximum heating surface and long smoke travel insures utmost heat from least fuel. Note: The entire firepot is surrounded by water.

The "V" shaped construction of castings—the straight self cleaning flue passages—the rocker type clinker cutting grate bars and the ability of these boilers to burn wood, coke, hard coal, soft coal or any fuel giving greatest efficiency at all times makes Perfection Boilers one of the most satisfactory on the market.



Sectional View of Perfection Boilers



# Square Sectional Boilers

## The Pulse of Comfort in Your Home

THE joy and healthful advantages of an efficient correctly installed modern heating system has made its selection the most important of all home comforts and improvements. Perfection Home Heating Systems—Perfection Boilers—Perfection Radiators—Perfection Furnaces and heating equipment of every description together with our Free Expert Engineering service has contributed in a large measure to the health and happiness of thousands of progressive home owners.

### Perfection Boilers Are Perfect in Design and Construction

The pictures on the opposite page clearly show the splendid construction of Perfection square sectional boilers. The hot water and steam boilers are of the same design with the exception of the steam trimmings which are furnished with the steam boilers. Every possible unit of heat produced by the fuel is absorbed by the water before the burning gases and smoke reaches the chimney. Note the extra deep firepot entirely surrounded by water heating passages which insures quick, steady heat.

### Perfection Heating Systems Are Planned by Experts

Our experts have reduced the old-time complications of heating system planning and installation to a simple, easily completed job. Any handy man can do all the work by following our simple, easily understood instructions. No experience on your part necessary—just a little time and substantial exercise. We furnish all the tools you will need at a low rental charge. Always the same satisfactory results—a perfect efficient heating system insuring cold weather comfort and a big saving on the completed job.

## This Guarantee—

### Assures Heating Plant Perfection and Cold Weather Comfort

Every Perfection Heating System, when installed according to our plans and instructions, is guaranteed to heat the rooms in which radiators are placed to a temperature of 70 degrees during all conditions of weather without undue forcing of the fire. It is agreed that if for any reason any piece or part of the material proves defective or if the heating system we have furnished is not capable of heating the rooms as stated above, we will hand you back the purchase price and any amount of freight charges paid by you to receive it.—HARRIS BROTHERS COMPANY.

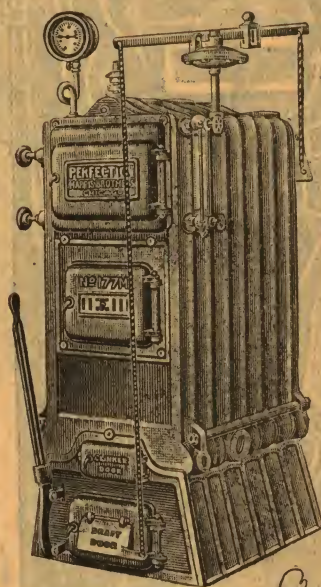
### Prices and Specifications of Perfection Heating Boilers

All Quotations Are Subject to Market Changes

Number	Size of Firepot	Size of Smoke Pipe	Foundation Inches	Tappings at Flow and Return	Height to Water Line (in Steam Boiler)	Direct Water Radiation	Direct Steam Radiation	Shipping Weight in Lbs.	Price on Hot Water Boilers	Price on Steam Boilers
17-A-64	13½x12	7	23x24	2-2	41"	300	150	590	\$ 65.00	\$ 80.00
17-A-65	13½x15	7	23x28	2-2	41	400	225	675	75.00	90.00
17-A-66	13½x18	7	23x32	2-2	41	525	300	835	85.00	100.00
17-A-67	13½x21	7	23x36	3-2	41	625	375	915	95.00	109.00
17-A-175	17x17	9	26x28	2-2½	48	750	475	941	117.00	131.00
17-A-176	17x21	9	26x33	2-2½	48	925	550	1123	137.00	151.00
17-A-177	17x25	9	26x38	3-2½	48	1100	650	1305	157.00	171.00
17-A-178	17x30	9	26x43	3-2½	48	1300	750	1487	177.00	190.00

Above prices are all F. O. B. our factory in Western New York. We will quote Freight Prepaid or F. O. B. Chicago prices on request.

HARRIS BROTHERS COMPANY, 35th and Iron Streets, CHICAGO

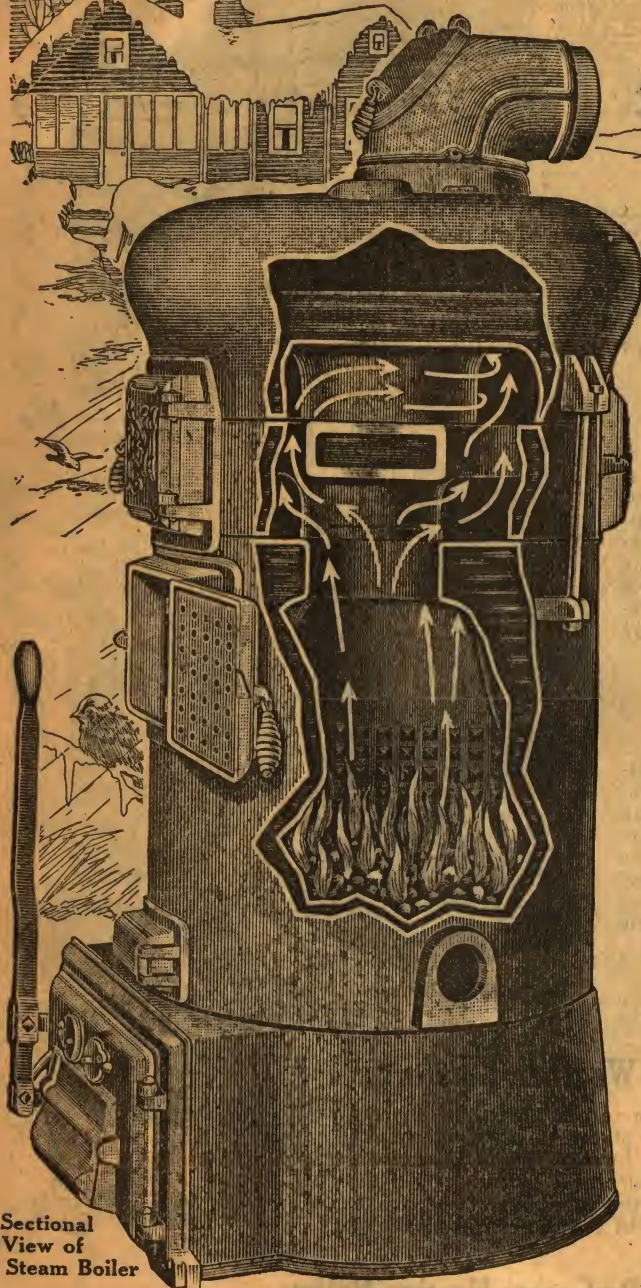


Equipped for Steam





# Perfection Round Sectional Heating Boilers



Sectional View of Steam Boiler

## For Hot Water and Steam Heating Plants

Burn hard coal, soft coal, wood, coke or any fuel with utmost satisfaction.

**PERFECTION** sectional steam and hot water boilers show a decided improvement in "Round Type Boiler Construction." When designing Perfection Boilers, our engineers worked with one idea—to produce the most efficient and economically operated heating boiler possible. Following the designs of our engineers, these boilers are carefully made from the best grade of gray cast iron, smoothly finished; all sections and parts fitting perfectly.

We call your special attention to the construction of the fire pot. The cast iron pins on the side of the fire pot serve a double purpose. They hold the ashes and dead fire from the fire pot and because they project into the fire heat quickly and increase the circulation in your heating system.

Although Perfection Boilers embody all latest improvements and are sold under a guarantee of absolute satisfaction, you will find the prices on these boilers exceptionally low.

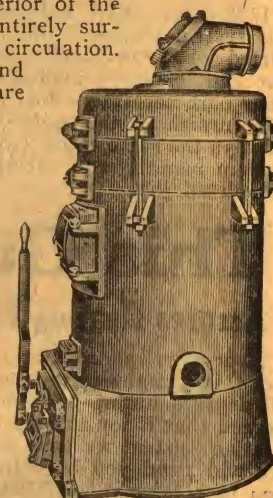
### Most Efficient Round Design

This sectional view of the interior of the boiler shows the deep fire pot entirely surrounded by water, insuring quick circulation. All parts are carefully tested and must fit perfectly before boilers are shipped from our factory.

### Important Features

- Smooth, perfect fitting cast sections.
- Deep fire pot and long fire travel gets the heat.
- Greatest possible heating surface.
- Rocker type clinker cutting grate bars.
- Large size feed doors.
- Deep, roomy ashpit.
- Ease of operation and cleaning.
- Rapid circulation.
- Perfect fitting parts.

Shipments from factory in Eastern Michigan or Chicago.



Hot Water Boiler

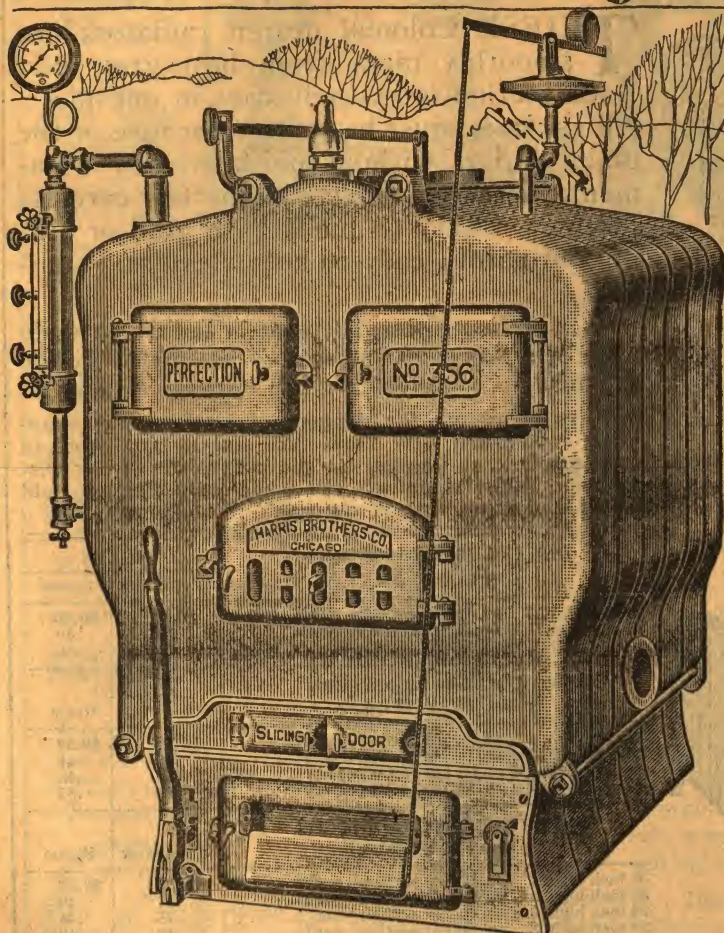
## Prices of Perfection Round Sectional Steam and Hot Water Boilers

All Quotations Are Subject to Market Changes

Number	Dia. of Grate	Floor Space	Height Outlet Steam	Height Outlet Water	Water Line Steam	Number and Size Tappings	Size of Smoke Pipe	Weight	Rating Steam	Rating Hot Water	Price Steam	Price Hot Water
17-A-417	17"	24"	53"	49"	49"	2-2 1/2"	7"	800	375	575	\$113.00	\$91.00
17-A-319	19"	26"	50"	47"	47"	2-2 1/2"	7"	900	450	700	135.00	107.00
17-A-222	22"	30"	50"	47"	44"	2-2 1/2"	9"	1000	525	875	142.00	111.00
17-A-322	22"	30"	56"	53"	50"	2-2 1/2"	9"	1100	575	940	159.00	128.00
17-A-422	22"	30"	62"	59"	56"	2-2 1/2"	9"	1200	600	975	175.00	142.00
17-A-225	25"	33"	52"	48"	46"	2-3"	9"	1300	675	1150	165.00	131.00
17-A-325	25"	33"	53"	54"	52"	2-3"	9"	1400	750	1240	186.00	154.00
17-A-228	28"	36"	53"	49"	47"	2-4"	10"	1550	900	1475	205.00	166.00
17-A-328	28"	36"	59"	55"	53"	2-4"	10"	1800	1000	1575	232.00	195.00
17-A-428	28"	36"	65"	61"	59"	2-4"	10"	2000	1025	1675	259.00	220.00
17-A-331	31"	39"	61"	56"	54"	2-4"	10"	2200	1200	1900	283.00	242.00



# Perfection Square Sectional Heating Boilers



## For Large Hot Water and Steam Heating Systems

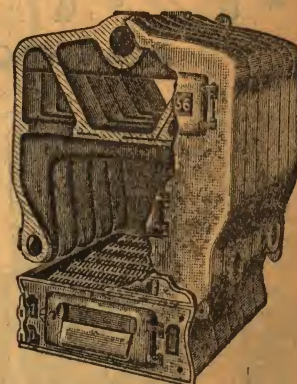
Perfection boilers are designed particularly for use in large heating work. They are conveniently installed; being sectional, they are built up together—no additional expense for elaborate brickwork. The ease with which Perfection boilers are operated with greatest efficiency—their ability to heat quickly, steadily and powerfully with utmost fuel economy—are advantages that you will appreciate.

## Fast, Steady, Powerful Boilers

Made with improved push nipple type for joining the sections. This connection consists of heavy machine turned smooth tapered nipples made of cast iron and held together by heavy tie rods. These connections are so arranged that they are not exposed to the action of the fire and are unaffected by expansion or contraction of the sections; tight, permanent joints at all times. Their capacity can be increased or diminished by adding or taking from the sections.

Note especially the deep combustion chamber and the enormous amount of heating surface pressed to the action of the fire. This feature, combined with the long travel of gases, utilizes all of the effective heating units, giving efficiency with the most economical consumption of fuel. This also insures an immediate response to the action of the fire and quick heat to all parts of your building. All boiler ratings stated below are conservatively made according to accepted standards. Perfection boilers are perfectly adapted for soft coal burning. Perfection boilers are equipped with a large front and rear clean-out door, which gives you free and easy access to every part of the fire surface.

Prices and Specifications of Perfection Boilers F. O. B. Factory in Michigan  
All Quotations Are Subject to Market Changes



Sectional View

Number	Grate Surface	No. of Taps	Size of Smoke Pipe	Height to Outlet	Water Line	Total Length	Weight	Hot Water Rating	Steam Rating	Price Hot Water	Price Steam
17-A-255	22x30	2-4	10	53	45	54	2200	1300	950	\$225.00	\$261.00
17-A-256	22x37	2-4	10	53	45	61	2500	1650	1150	270.00	305.00
17-A-257	22x44	2-4	10	53	45	68	2800	2000	1350	315.00	351.00
17-A-258	22x51	2-4	10	53	45	75	3150	2625	1600	360.00	396.00
17-A-355	30x30	2-4	13 1/2	59	48	52	3000	2400	1450	414.00	378.00
17-A-356	30x37	2-4	13 1/2	59	48	59	3650	3000	1850	414.00	450.00
17-A-357	30x44	2-4	13 1/2	59	48	66	4200	3600	2275	477.00	513.00
17-A-358	30x51	3-4	13 1/2	59	48	73	4500	4200	2550	531.00	567.00
17-A-359	30x58	3-4	13 1/2	59	48	80	5100	4800	2900	594.00	630.00
17-A-456	38x42	2-5	16	67	55	63	4800	5000	3000	600.00	649.00
17-A-457	38x50	2-5	16	67	55	71	5600	5875	3500	675.00	715.00
17-A-458	38x58	3-5	16	67	55	79	6400	6800	4000	775.00	810.00
17-A-459	38x66	3-5	16	67	55	87	7300	7800	4500	875.00	910.00
17-A-4510	38x74	3-5	16	67	55	95	8000	8300	5000	975.00	1000.00

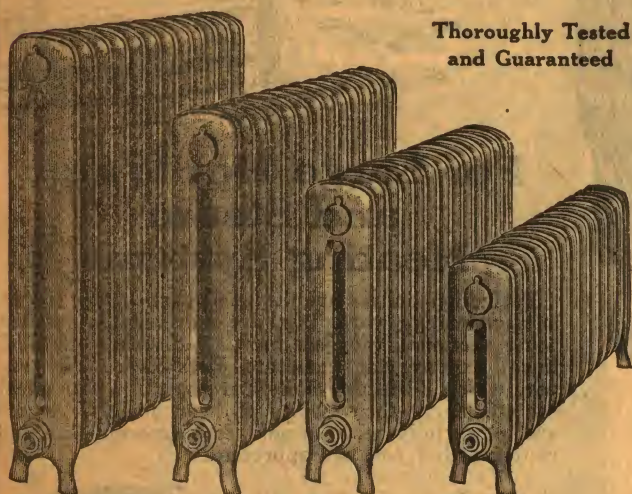
HARRIS BROTHERS COMPANY, 35th and Iron Streets, CHICAGO



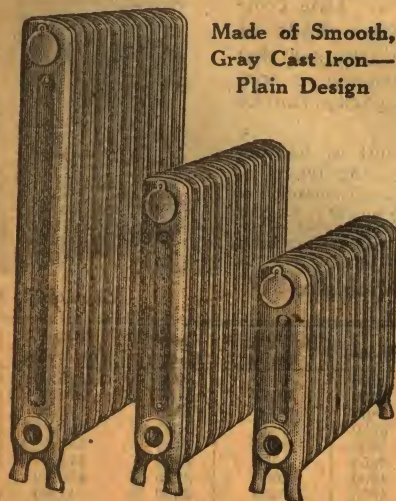
# Perfection Plain Steam and Hot Water Radiators



Perfection 3 Column Radiators



Perfection 2 Column Radiators



Perfection One Column Radiators

Thoroughly Tested  
and Guaranteed

Made of Smooth,  
Gray Cast Iron—  
Plain Design

THESE Colonial design radiators are smoothly made from best grey iron. Each section is expertly cast in one piece. All surfaces must be perfect because of the plain design without old-fashioned ornamentation which covered imperfect careless castings. Easy to finish with gold or aluminum paint—easy to keep clean and sanitary.

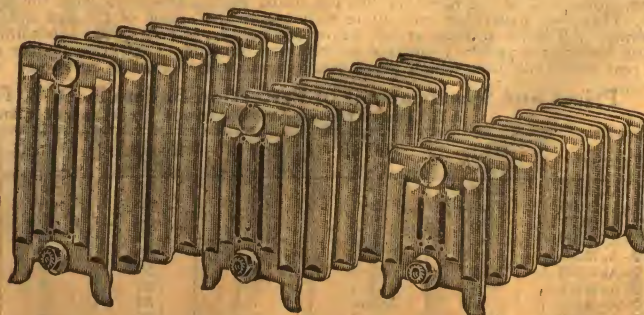
Each section is tested separately and tested again when the complete radiator is assembled before shipment. Guaranteed perfect in every respect.

Prices below are for shipment direct from our warehouse in Western New York. We carry a large stock of radiators here at Chicago for the convenience of our customers. When shipments are made from Chicago, add 3c per ft. to cover freight charges.

ONE COLUMN RADIATORS 17-A-5300		PRICES	
		Hot Water	Steam
38 inch high, 3	sq. ft. per section—per ft.....	\$0.41	\$0.40
26 inch high, 1 1/2	sq. ft. per section—per ft.....	.50	.49
20 inch high, 1 1/2	sq. ft. per section—per ft.....	.57	.56
TWO COLUMN RADIATORS No. 17-A-5305		Hot Water	Steam
38 inch high, 4	sq. ft. per section—per ft.....	\$0.39	\$0.38
32 inch high, 3 1/2	sq. ft. per section—per ft.....	.42	.41
26 inch high, 2 3/4	sq. ft. per section—per ft.....	.47	.46
20 inch high, 2	sq. ft. per section—per ft.....	.53	.52
THREE COLUMN RADIATORS No. 17-A-5310		Hot Water	Steam
38 inch high, 5	sq. ft. per section—per ft.....	\$0.38	\$0.37
32 inch high, 4 1/2	sq. ft. per section—per ft.....	.41	.40
26 inch high, 3 3/4	sq. ft. per section—per ft.....	.45	.44
22 inch high, 3	sq. ft. per section—per ft.....	.49	.48
18 inch high, 2 1/2	sq. ft. per section—per ft.....	.54	.53
FIVE COLUMN RADIATORS No. 17-A-5315		Hot Water	Steam
22 inch high, 6	sq. ft. per section—per ft.....	\$0.49	\$0.48
18 inch high, 5	sq. ft. per section—per ft.....	.54	.53
14 inch high, 4	sq. ft. per section—per ft.....	.59	.58

Made with standard tapping as follows:

Radiators containing 26 ft. or under .....	1/4 in.
Radiators containing more than 26 ft. (not exceeding 50 ft.) .....	1 in.
Radiators above 50 ft. but not exceeding 90 feet .....	1 1/4 in.
Radiators containing above 90 feet .....	1 1/2 in.



Perfection 5 Column Low Radiators

All Quotations Are Subject to Market Changes



# Heating Plant Accessories

## Radiator Valves and Union Elbow

### Floor Flange



5-A-202. Floor Flange.

Size, Inches	Price, Each
3/4 inch...	\$0.09
1 inch...	.11
1 1/4 inch...	.13
1 1/2 inch...	.15
1 3/4 inch...	.17
2 inch...	.20



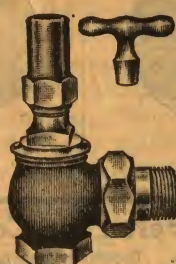
5-Z-178. Jenkins' Disc Angle Radiator Valve with Union, nickel plated all over.

Size, Inches	Price, Each
3/4 inch...	\$1.35
1 inch...	1.60
1 1/4 inch...	2.00
1 1/2 inch...	2.60
2 inch...	4.25



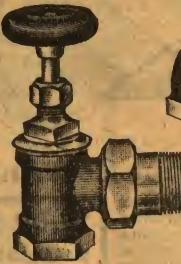
Specify Right or Left Hand Corner when ordering. Jenkins' Disc corner radiator valves with union.

Size, Inches	Price, Each
3/4 inch...	\$1.90
1 inch...	2.25
1 1/4 inch...	3.00
1 1/2 inch...	3.80
2 inch...	6.15



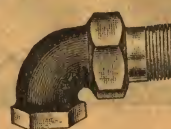
5-A-177. Lock Shield Jenkins' Disc Valve with union, nickel plated all over.

Size, Inches	Price, Each
3/4 inch...	\$1.70
1 inch...	2.10
1 1/4 inch...	2.85
1 1/2 inch...	3.65
2 inch...	3.75



5-Z-179. Quick Opening Hot Water Radiator Valve with Union, nickel plated all over.

Size, Inches	Price, Each
3/4 in.	\$0.65
1 in.	.80
1 1/4 in.	1.05
1 1/2 in.	1.30
2 in.	2.25



5-A-180.

Hot Water Union Elbows nickel plated all over.

Size, Inches	Price, Each
3/4 in.	\$0.65
1 in.	.80
1 1/4 in.	1.05
1 1/2 in.	1.30
2 in.	2.25

### Ceiling Flange



5-A-203. Ceiling Flange.

Size, Inches	Price, Each
3/4 inch...	\$0.09
1 inch...	.11
1 1/4 inch...	.13
1 1/2 inch...	.15
1 3/4 inch...	.17
2 inch...	.20

### Radiator Air Valves



#### Loose Key

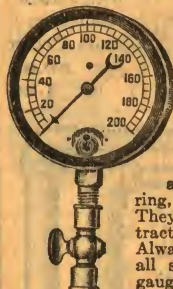
5-A-181. Nickel plated loose key compression radiator air valves. Size, 1/4 in. \$0.15



#### Wood Wheel

5-A-183. Nickel plated Compression Radiator Air Valves with wood wheels. Size 1/4 inch \$0.15

### Steam Gauges



#### Three Sizes

Size dials, inches	3 1/4	4 1/4	5
Price, each	\$2.10	\$2.25	\$2.65

Low pressure steam gauge registering up to 30 lbs., 3 1/4 inch Dial \$2.10

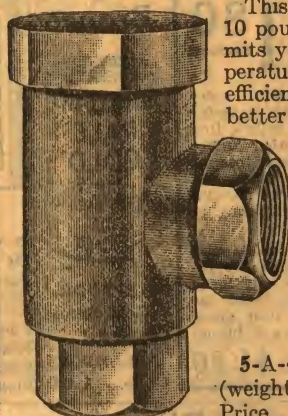
### Water Gauges

5-A-9501. Complete water gauge set. Made with brass body, iron wheels and two guards to protect glass tube. Fitted with drain cock at bottom. Polished brass finish. 1/2 inch thread. Glass, size 3/8x12 inch.

Price, complete

\$1.75

## Efficient Heat Governor for Hot Water Heating Plants



This device keeps a constant pressure of about 10 pounds on the water of the system and permits you to heat the water to a very high temperature. You will get much higher heating efficiency on the plant, save fuel and will get better circulation.

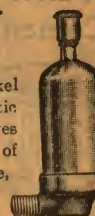
Can be attached in a few minutes to any Hot Water Heating system. Made of solid bronze throughout—will not rust or get out of order, will last a lifetime.

5-A-4570. Heat governor (weight, 5 lbs.) Price \$5.50



Sectional View showing the splendid construction of heat governor.

### Automatic Air Valve for Steam



5-A-184. Nickel plated automatic radiator air valve for steam. Size of connection pipe, thread, 1/4 in. Each \$0.45

### Altitude Gauges



New Pattern

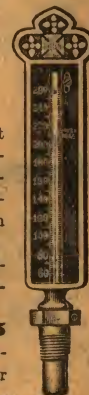
5-A-189. Altitude Gauges are used for indicating the height of water in a hot water heating system. The red hand is movable. When you determine the height of water to just fill the system correctly, set the red hand at that point and then the indicating hand should be right on top of it. Each \$2.25

### Hot Water Thermometers \$1.05

Used in connection with hot water heating plants, registering up to 220 degrees. Guaranteed accurate. Each thermometer is carefully packed in a separate wooden box.

5-A-187. Straight Thermometers as shown in illustration. Price, each \$1.05

5-A-188. Angle Thermometers for use on risers or circulating pipes. Price, each \$1.20

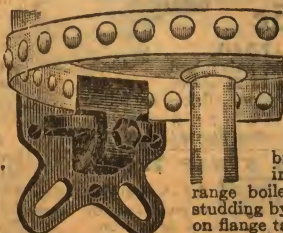


### Galvanized Steel Expansion Tanks

These are used in connection with hot water heating plants. Water gauge not included at prices quoted.

Size	Price
5-A-190 8 10x20	300 to 400 \$8.00
5-A-191 10 12x20	400 to 500 8.20
5-A-193 15 12x30	500 to 600 9.20
5-A-195 20 14x30	600 to 700 12.80
5-A-197 26 16x30	700 to 900 14.35
5-A-198 32 16x36	1000 to 1300 15.35
5-A-199 42 16x48	1300 & up 16.85
5-A-201	Expansion tank gauge set. 1.05

### Improved Expansion Tank Bracket



5-A-280. An ingenious bracket to hold expansion tanks in hot water heating systems or range boilers. Quickly attached to wall studding by screws furnished. Grip clamp on flange tank holds it securely in place. Price, each \$1.35





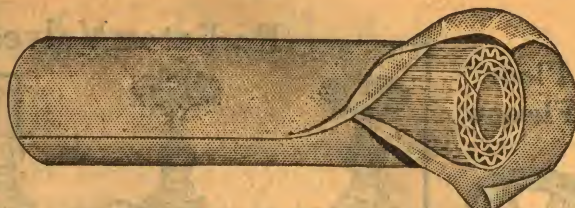
# Pipe Covering and Heating Accessories



## Moulded Asbestos Pipe Covering

**21-A-204.** This form of covering is offered as a durable and effective non-conducting covering. It is absolutely fireproof and is made in sections in the various sizes, 3 feet long, which are finished with canvas jackets, and provided with sufficient metal bands to securely fasten it to the pipe. Thickness of covering, 1 inch.

For pipe, Size	Price per 3 ft. length	For pipe, Size	Price, per 3 ft. length
1/4	..... <b>\$0.33</b>	2	..... <b>\$0.51</b>
3/4	..... <b>.37</b>	2 1/2	..... <b>.60</b>
1	..... <b>.41</b>	3	..... <b>.65</b>
1 1/4	..... <b>.45</b>	3 1/2	..... <b>.72</b>
1 1/2	..... <b>.50</b>	4	..... <b>.90</b>



## Asbestos Air Cell Pipe Covering

**21-A-206.** Suitable for steam or hot water heating plant. Is a first class insulator. It is 1/2" thick, made up of layers of Asbestos. with small air spaces between. These air spaces very materially increase the efficiency of the covering. It is light, thus reducing freight charges. Mechanically stronger, so less liable to breakage, and we believe it is in every way equal to the Asbestos Moulded Pipe Covering. Sold in sections of 3 feet. Easily applied. Metal bands for each section.

For Pipe, Size	Price, per 3 ft. length	For Pipe, Size	Price, per 3 ft. length
1/4	..... <b>\$0.21</b>	2	..... <b>\$0.37</b>
3/4	..... <b>.24</b>	2 1/2	..... <b>.40</b>
1	..... <b>.27</b>	3	..... <b>.45</b>
1 1/4	..... <b>.30</b>	3 1/2	..... <b>.50</b>
1 1/2	..... <b>.34</b>	4	..... <b>.57</b>

## Wool Felt Pipe Covering

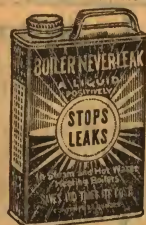
**21-A-205.** Especially recommended for hot water heating plants. This covering is made of soft corrugated wool felt with interlining of two layers of asbestos felt, and finished with a canvas jacket.

For Pipe, Size	Price per 3 ft. Length	For Pipe, Size	Price per 3 ft. Length
1/4	..... <b>\$0.25</b>	2 1/2	..... <b>\$0.44</b>
1	..... <b>.29</b>	3	..... <b>.49</b>
1 1/4	..... <b>.33</b>	3 1/2	..... <b>.55</b>
1 1/2	..... <b>.37</b>	4	..... <b>.60</b>
2	..... <b>.40</b>		

## Joint Cement



**5-A-9535.** For use in steam, hot water or other pipe connections. Makes joints air tight; does not harden; easy to put in pipe connections without breaking the fitting. 2-lb. can.....**35c**



**"Boiler Never-Leak"**  
**5-A-1210.** Liquid Chemical; guaranteed to stop ordinary leaks and cracks in steam and hot water heating boilers by drawing water down below the top of the boiler, mixing liquid and keeping a hot fire for 48 hours. For boilers up to 1000 ft. 1 qt. is required. Boilers up to 2000 ft. 2 qts. 3000 to 4000 ft. 3 qts. Weight 3 lbs. Per qt.....**\$2.50**

## Red Lead

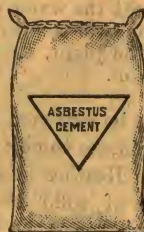


This is the regular plumbers, red lead for making joints water, gas or steam tight.

**5-A-7850.** Comes in one-pound cans. Price Per can.....**18c**

## Asbestos Cement

**100 lb. Bag \$1.80**



**21-A-207.** A dry cement for covering heating boilers, iron or any other surface to prevent loss of asbestos fibre and other materials. Increases efficiency of boiler.

As asbestos Moulded covering for fittings are only made use of Asbestos cement in their place. Figure 1 1/4 lbs. of cement to a fitting up to 2 inches.

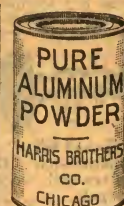
Price, per 100-lb. bag.....**\$1.80**

## Radiator Bronze



**5-A-7590.** Gold Bronze Powder. 1/2 lb.....**\$0.55**  
1 lb.....**1.00**

## Radiator Aluminum



**5-A-7595:** Aluminum Bronze Powder. 1/2 lb.....**\$0.65**  
1 lb.....**1.20**

## Domestic Water Heater



**17-A-984.** An efficient water heater especially made to be used in any standard furnace. Made of finest smooth gray cast iron. Convenient clean-out plug enables you to remove sediment. Two openings for 1 inch pipe. Easily installed by removing parts covering these openings. Efficiently used in connection with any 40 gallon range boiler. Price, each.....**\$2.25**

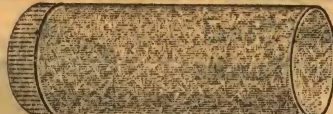


## Pipe Hangers

Can be cut to all desired lengths by disconnecting two lower screws. The most practical pipe hanger on the market. Easy to adjust.

Pipe Inches	Each	Pipe Inches	Each
1	..... <b>\$0.08</b>	2	..... <b>.11</b>
1 1/4	..... <b>.09</b>	2 1/2	..... <b>\$0.12</b>
1 1/2	..... <b>.10</b>	3	..... <b>.15</b>

## Galvanized Smoke Pipe



Per Foot **30c**

**17-A-7530** Our regular galvanized smoke pipe furnished with all our Heating Plants, made of 26-gauge heavy galvanized sheet iron, comes in 2 foot lengths. This stack is shipped knocked down in the flat sheets all flanged and seamed. Can be assembled in a few minutes. Prices as follows:

Inch.....	6	7	8	9	10	12
Per foot.....	30c	31c	32c	33c	36c	39c

## DAMPERS



**17-A-7535.**

6 inch.....	\$0.45
7 inch.....	.47
8 inch.....	.63
9 inch.....	.78
10 inch.....	.95
12 inch.....	1.10

## Smoke Pipe Elbows

**45c**



## 17-A-7540.

28-gauge galvanized Elbows to fit above smoke pipe. Prices as follows:

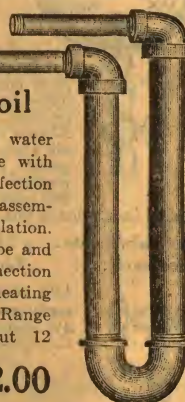
Inch.....	6	7	8	9	10	12
Each.....	40c	46c	54c	62c	77c	\$1.08

## PERFORATED STRAP IRON



**21-A-1186.** For large pipe or long drops we recommend our 1/2" perforated strap iron. 5ft. and 10 ft. lengths, Price, per foot.....**\$0.05 1/2**

## Iron Pipe Water Heating Coil



**17-A-1204.** Hot water Heating Coil for use with Harris Square Perfection Boilers. Completely assembled, ready for installation. Made from 1 1/4 inch pipe and fittings. Outside connection 3/4 inch. Suitable for heating 30 or 40 Galvanized Range Boilers. Weight, about 12 pounds. Price, each.....**\$2.00**

## Flue Cleanout Brush



**17-A-1209.** Flue brush for cleaning flues. Made of spring steel with handle threaded for 1/4 inch pipe. Extension handle can easily be made by coupling to 1/4 inch pipe. Shipping weight 1 lb. Price.....**\$1.10**



# Brass Valves—Cocks—Iron Body Valves

**STANDARD  
BRASS STEAM  
COCKS**



**4-A-4919.**

Size	Each
1/4 inch...	\$0.39
3/8 inch...	.44
1/2 inch...	.55
3/4 inch...	.85
1 inch...	1.15
1 1/4 inch...	1.82
1 1/2 inch...	2.39
2 inch...	3.25

**STANDARD  
BRASS GAS  
SERVICE  
COCKS**



**5-A-4921.**

Size	Each
3/4 inch...	\$0.44
1 inch...	.50
1 1/4 inch...	.59
1 1/2 inch...	1.49
2 inch...	2.04
2 1/2 inch...	3.60

## Prices of All Material on This Page Are Subject to Market Changes

Full standard weights, suitable for 100-pound steam pressure. For use either steam or water purposes. Made of the best grade metals of proper mixture to give excellent satisfaction. The valves are carefully machined and have full openings. We guarantee them fully in every respect and we will replace any valve without charge that does not prove entirely satisfactory.

**STANDARD  
BRASS  
GLOBE  
VALVES**



**5-A-4961.**

Size	Each
1/4 inch...	\$0.33
3/8 inch...	.35
1/2 inch...	.37
3/4 inch...	.50
1 inch...	.66
1 1/4 inch...	.77
1 1/2 inch...	1.32
2 inch...	1.52
2 1/2 inch...	2.30

**STANDARD  
GATE VALVES**



**5-A-4909.**

Size	Each
1/4 inch...	\$0.83
3/8 inch...	.85
1/2 inch...	.94
3/4 inch...	1.15
1 inch...	1.62
1 1/4 inch...	2.15
1 1/2 inch...	2.86
2 inch...	4.18

**JENKINS'  
DISC BRASS  
GLOBE  
VALVES**



**5-A-4905.**

Size	Each
1/4 inch...	\$0.53
3/8 inch...	.60
1/2 inch...	.83
3/4 inch...	1.15
1 inch...	1.48
1 1/4 inch...	2.09
1 1/2 inch...	2.86
2 inch...	4.51

**STANDARD  
BRASS  
ANGLE  
VALVES**



**5-A-4903.**

Size	Each
1/4 inch...	\$0.33
3/8 inch...	.35
1/2 inch...	.37
3/4 inch...	.50
1 inch...	.66
1 1/4 inch...	.77
1 1/2 inch...	1.32
2 inch...	1.52
2 1/2 inch...	2.30

**JENKINS'  
DISC BRASS  
ANGLE  
VALVES**



**5-A-4907.**

Size	Each
1/4 inch...	\$0.53
3/8 inch...	.60
1/2 inch...	.83
3/4 inch...	1.15
1 inch...	1.50
1 1/4 inch...	2.09
1 1/2 inch...	2.86
2 inch...	4.50

**STANDARD  
HORIZONTAL  
CHECK  
VALVES**



**5-A-4923.**

Size	Each
1/4 inch...	\$0.35
3/8 inch...	.36
1/2 inch...	.44
3/4 inch...	.56
1 inch...	.79
1 1/4 inch...	1.10
1 1/2 inch...	1.54
2 inch...	2.36

**JENKINS'  
DISC BRASS  
CHECK  
VALVES**



**5-A-4925.**

Size	Each
1/4 inch...	\$0.53
3/8 inch...	.55
1/2 inch...	.60
3/4 inch...	.99
1 inch...	1.35
1 1/4 inch...	1.87
1 1/2 inch...	2.35
2 inch...	3.50

**COMPRES-  
SION GAUGE  
COCKS**



**5-A-4915.**

Size	Each
1/4 inch...	\$0.77
3/8 inch...	.83
1/2 inch...	1.02

**THREE-WAY  
BRASS  
STEAM  
COCKS**



**5-A-4917.**

Size	Each
1/4 inch...	\$2.10
3/8 inch...	2.77
1/2 inch...	3.46
3/4 inch...	5.28
1 inch...	6.60
1 1/4 inch...	9.68



**Bibb Air  
Cock**

**5-A-4913.**

Size	Each
1/4 inch...	\$0.40
3/8 inch...	.50
1/2 inch...	.55
3/4 inch...	.63



**Pop Safety Valves**  
With phosphor bronze seats.  
For boilers of all kinds.  
Be sure to state pressure the valve  
is to be set at.

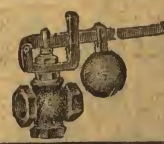
Size, Horse to 15 lb. In. Power. Pressure	Each up to 15 lb. 15-100 lb.
1/4	\$2.91
1/2	3.40
3/4	3.85
1	4.12
1 1/2	6.55
2	14.57

**Lever Safety  
Valves**

**5-A-4933.**

Size	Each
1/4 inch...	\$2.03
3/8 inch...	2.42
1/2 inch...	3.08
3/4 inch...	4.50
1 inch...	5.35
2 inch...	7.45

**STANDARD  
BRASS BALL  
AND LEVER  
SAFETY VALVES**



**Brass Air  
Cocks**



**5-A-4911.**

Size	Each
1/4 inch...	\$0.24
3/8 inch...	.33
1/2 inch...	.35
3/4 inch...	.37

**Check Valves**

**IRON BODY HORIZONTAL  
CHECK VALVES**



Size	Each	Size	Each
2 1/2 inch...	\$6.00	4 inch...	\$13.00
3 inch...	8.20	5 inch...	20.30
3 1/2 inch...	11.30	6 inch...	27.50

## Iron Body Valves

Standard weight, well proportioned; suitable for working pressure up to 100 lbs. For steam or water. Fully guaranteed.

**Check Valves**

**IRON BODY HORIZONTAL  
CHECK VALVES**



Size	Each	Size	Each
3 inch...	\$10.50	5 inch...	\$24.00
4 inch...	16.50	6 inch...	32.25



**IRON BODY  
ANGLE VALVES**

**21-A-104.** Brass mounted with yoke flange ends.

Size	Each
2 1/2 inch...	\$9.60
3 inch...	13.50
3 1/2 inch...	16.65
4 inch...	20.25
5 inch...	27.90
6 inch...	37.80



**IRON BODY  
GLOBE VALVES  
AND ANGLES**

**21-A-101.** Globe Valve.  
**21-A-105.** Angle Valve.

Size	Each
2 1/2 inch...	\$8.10
3 inch...	11.25
3 1/2 inch...	13.70
4 inch...	17.10
5 inch...	24.30
6 inch...	33.75



**IRON BODY  
GLOBE VALVES**

**21-A-103.** Brass mounted, with yoke, flange ends.

Size	Each
2 1/2 inch...	\$9.60
3 inch...	13.50
3 1/2 inch...	16.65
4 inch...	20.35
5 inch...	27.90
6 inch...	37.80



**IRON BODY  
GLOBE VALVES**

**21-A-97.** Brass mounted, plain screw ends.

Size	Each
2 inch...	\$4.50
2 1/2 inch...	6.50
3 inch...	9.00



**IRON BODY  
ANGLE VALVES**

**21-A-99.** Brass mounted, plain screw ends.

Size	Each
2 inch...	\$4.50
2 1/2 inch...	6.50
3 inch...	9.00



**STRAIGHT WAY  
GATE VALVES**

**21-A-109.** Iron body, brass trimmings, stationary stem, screw ends.

Size	Each
2 1/2 inch...	\$9.55
3 inch...	11.60
3 1/2 inch...	14.10
4 inch...	15.90
5 inch...	23.80
6 inch...	27.45



**STRAIGHT WAY  
GATE VALVES**

**21-A-110.** Iron body, brass trimmings, stationary stem, flange ends.

Size	Each
2 1/2 inch...	\$11.00
3 inch...	13.50
3 1/2 inch...	16.00
4 inch...	18.90
5 inch...	25.75
6 inch...	29.95

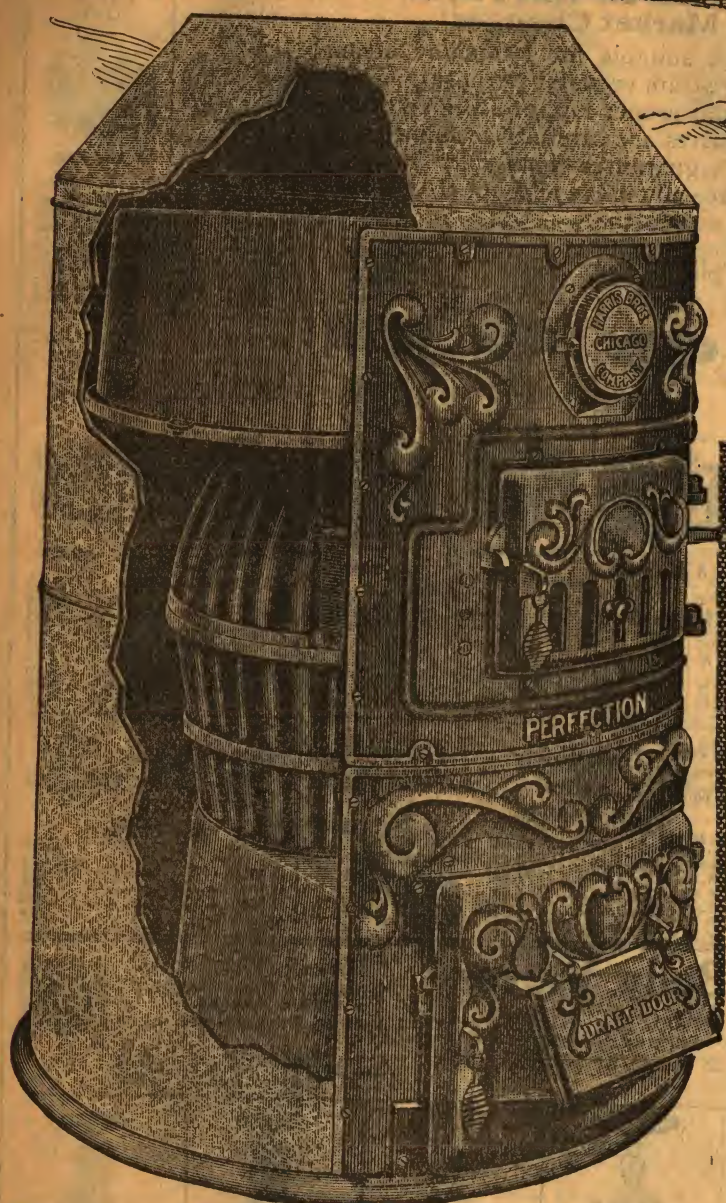
**LET US  
KNOW  
YOUR NEEDS**

**Used Valves and Fittings!**  
In connection with our big purchases of complete plants and factories, we receive a steady supply of valves and fittings of every kind. Send us a list of your requirements for low, quick sale prices.

**WRITE  
FOR PRICES  
NOW**



# Perfection Warm Air



Sectional view showing the deep, heavily corrugated firepot, large radiator and roomy ashpit

**The Ash Pit** is large and roomy, allowing for an accumulation of ashes without danger of burning the grate bars. The grate is extra heavily constructed, bars are triangular type and clinkers can be quickly removed. Any of the bars can be removed or replaced in a minute's time—no tools necessary.

**Ashpit or Draft Door** is of butterfly type and can be regulated by means of damper chains from the living rooms. All furnaces are tapped for hot water coil.

**The Casing Construction** on Harris Furnaces is such as to conserve the greatest amount of heat possible. The outer casing is bright galvanized steel—26 gauge, lined with asbestos and corrugated tin which is riveted to the upper casing and which gives proper insulation. This method of construction forces all of the heat through the supply pipes to the living rooms and thus effects a large saving in fuel.

## For Warm Air Pipe Heating Systems

**H**ARRIS Warm Air Heating Systems offer many advantages to the careful buyer. They are made of all new high grade material in a large up-to-date, well equipped foundry. Every piece and part is carefully constructed by skilled workmen, carefully assembled and inspected before shipment. All furnaces are entirely set up when completed, the holes are drilled to match, the doors tight, and all parts must fit perfectly. Read the following specifications; you will then clearly see why you should buy a Harris Warm Air Heating System, with its many advantages, and no other:

**Harris Furnaces** are furnished with cast iron reversible radiators. The castings are extra heavy. The upper and lower sections are securely bolted together with asbestos between the joints, making an absolutely air tight construction. The fire and gases must pass completely around the circumference of the radiator, thus giving off all of the heat before passing up the chimney. The extra large clean-out openings permit thorough and easy cleaning of radiators without removing smoke pipe. All the radiators are constructed so that any fuel can be burnt without clogging. The smoke collars and clean-out collars are cast and extend through the casing.

**The Feed Section** is extra heavy cast iron—designed to follow the cone shape of the fire. Built with an unusual amount of heating surface which guarantees maximum combustion.

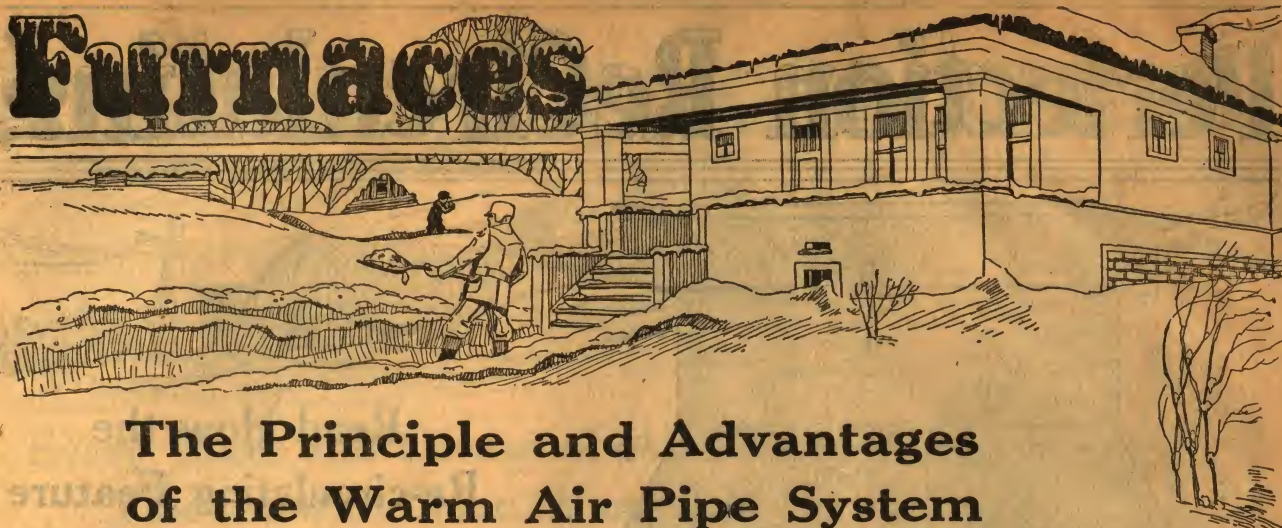
**The Fire Pot** is in two parts, the sections being set together with deep grooves, thus allowing for expansion and contraction, which reduces the possibility of cracking to the minimum. We supply with each furnace sufficient cement to make all joints gas tight. The heavy corrugation of the fire pot gives greatest heating surface possible. The heating capacity of our furnaces is greatly increased by the extra depth of the fire pot.

**Accessories.** With each furnace we include, without extra charge, check draft, asbestos cement, water pan, poker, shaker handle, draft and regulating dial plate, chain and pulleys.

**Prices and Specifications of Perfection Furnaces on Opposite Page**



# Furnaces



## The Principle and Advantages of the Warm Air Pipe System

**Q**UICK heat with an abundance of clean, moistened, healthful warm air circulating through all the rooms in your home, are some of the many desirable features which have made the Warm Air Heating System so popular. Aside from these advantages, an efficient, highly satisfactory Warm Air Heating System can be installed in less time, with less work and for considerably less money than a steam or hot water plant.

Warm Air Heating Systems are used everywhere for heating moderate size homes, stores, churches and schools. Where the furnace can be centrally located, a warm air plant always gives excellent results when installed according to the simple plans and easily understood instructions furnished free by our engineers.

In climates where there are quick changes in temperature only a low fire need be kept up on the mild days. Then, when there is a sudden drop in temperature, by simply opening the drafts, you can get almost instantaneous heat in all your rooms. The fresh air coming into the heating chamber through the cold air intakes and return register passes over the water pan, where it is cleaned and moistened. It is then heated in the upper part of the furnace, rising quickly through the pipes to the rooms above. As the air cools, it is lead back to the furnace through the return air register, remoistened, recleaned, reheated and passed on to the rooms again. This insures even steady heat and good ventilation.

### Our Expert Engineers Are Waiting to Help You

Simply send us a rough sketch of the layout of rooms in your house, indicating the size of all rooms. Our estimate will relieve you of all worry and responsibility. You can rest assured the plant we figure for you, including all the material for its installation, will heat your home satisfactorily, in all weather, with a substantial saving in fuel.



### Specifications and Prices of Perfection Pipe Furnaces

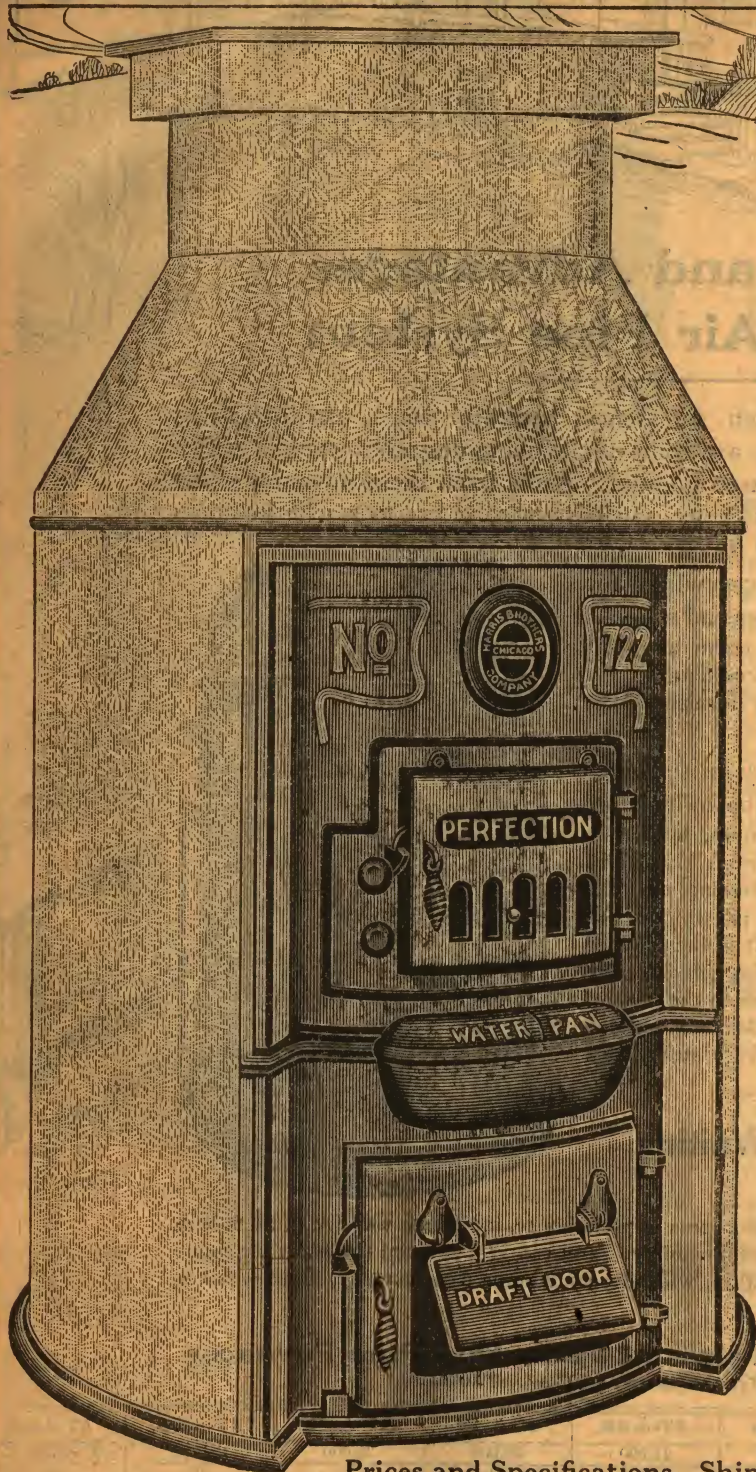
Shipped from Factory in Central Illinois

Furnace Number	17-A-20	17-A-22	17-A-24	17-A-26	17-A-28	17-A-30
Heating Capacity, in cu. ft.	10,000	15,000	20,000	30,000	40,000	50,000
Diam. Fire Pot, in inches	20	22	24	26	28	30
Diam. Casing, in inches	34	38	42	46	50	54
Height casing, inches	45	47	49	53	56	59
Height of Radiator, in inches	15	15	15	15	15	15
Size of Feed Door, in inches	11x13	11x13	11x13	11x13	11x13	11x13
Diameter Smoke Pipe, in inches	8	8	8	9	10	10
Shipping Weight, in lbs.	700	900	1,100	1,300	1,600	1,800
Price with Cast Iron Radiator	\$70.00	\$85.00	\$103.00	\$120.00	\$150.00	\$185.00

HARRIS BROTHERS COMPANY, 35th and Iron Streets, CHICAGO



# Perfection ReCirculating



## Read How the Re-circulating Feature Cuts Your Fuel Bill!

Good circulation is absolutely necessary to heat all the rooms in your home with a Warm Air Pipeless Furnace. To supply heat through one register in one room with no provisions to keep the air circulating is not sufficient. The air rising from the furnace will retain its velocity while it is hot, but as it cools, begins to fall and will return to the cold air intake on the outer part of the floor register.

The Harris Re-circulating Pipeless System with its cold air intake returning to the furnace heats all of the rooms quickly and evenly in the coldest weather and in re-circulating the air from the rooms less heat is required and less fuel needed to retain the steady even heat. This continuous circulation of air in all rooms mixing with the fresh air which comes into any house through doors and windows is a healthful advantage that should not be overlooked.

A particular advantage of Harris Re-circulating Furnaces is the unusually large cold air return. The outer casing being placed 8" from the inner casing allows a quick active return of the cold air from the rooms above which increases circulation and gives a constant flow of warm air through your living rooms.

## Built for Long Service!

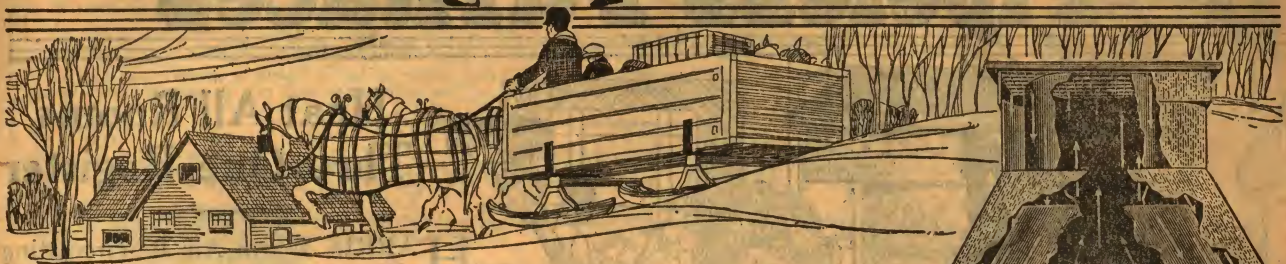
"Harris" re-circulating double casing pipeless furnaces are built to give lifelong service. Made entirely of cast-iron with double casing made of heavy galvanized iron. The fire pot is made in two sections with deep corrugations. The triangular grate and all parts coming in direct contact with the fire are made of finest heavy cast-iron. The ash pit is large and deep to prevent damage to the grate from accumulated ashes. Extra large door to ash pit and extra large fuel door. Large water pan. Cast-iron parts are smooth and nicely finished. The galvanized casing is securely fitted and perfectly joined.

### Prices and Specifications—Shipment from Factory in Central Illinois

No.	Dia. Inner Casing	Dia. Outer Casing	Register Size	Dia. Hot Air Pipe	Heat Capacity Cubic Feet	Dia. Fire Pot	Size Feed Door	Dia. Smoke Pipe	Shipping Weight	Price
17-A-718	30 in.	38 in.	24 x 27	18 in.	10,000	18 in.	11 x 13	7 in.	900 lbs.	\$ 77.00
17-A-720	34 in.	42 in.	30 x 30	22 in.	13,000	20 in.	11 x 13	8 in.	1,000 lbs.	93.00
17-A-722	38 in.	46 in.	34 x 34	26 in.	18,000	22 in.	11 x 13	8 in.	1,200 lbs.	110.00
17-A-724	42 in.	50 in.	36 x 36	28 in.	25,000	24 in.	11 x 13	8 in.	1,400 lbs.	132.00
17-A-726	46 in.	54 in.	40 x 40	30 in.	35,000	26 in.	11 x 13	9 in.	1,700 lbs.	158.00
17-A-728	50 in.	58 in.	44 x 44	32 in.	45,000	28 in.	11 x 13	10 in.	2,000 lbs.	225.00
17-A-730	54 in.	62 in.	44 x 48	36 in.	55,000	30 in.	11 x 13	10 in.	2,300 lbs.	250.00



# Double Casing Pipeless Furnace



## Every Nook and Corner of All Rooms Flooded with Clean Warm Air

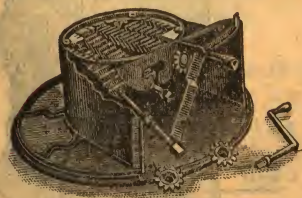
Within a few moments after the fire is started, an abundance of warm air, cleaned and moistened from the water pan, rises quickly through one large register. This action naturally causes the cold air at the floor to fall, in a steady flow, toward the cold air intakes, where it is drawn in, cleaned, moistened, heated and passed on to the living rooms. In this way a continuous circulation is automatically started through all the rooms in your home—reaching to the farthest corners. All rooms adjoining the room in which the register is placed are evenly heated within a short time by simply opening the doors leading to them.

### Large Cast Radiator



A special feature of "Harris" recirculating double casing pipeless furnaces will be found in the extra large all-cast radiators. The cross-section view above shows the fire traveling. Gas and smoke must pass around the entire circumference and give up most of their heat before reaching the chimney.

### Best Triangular Grate



Here is the improved triangular grate with which these splendid furnaces are equipped. Any of the grate bars can be removed, or replaced without disturbing the rest of the grate in a moment's time. There are no bolts or cotter pins to take out—no special tools necessary. The most practical and convenient grate devised.

## Improvements!

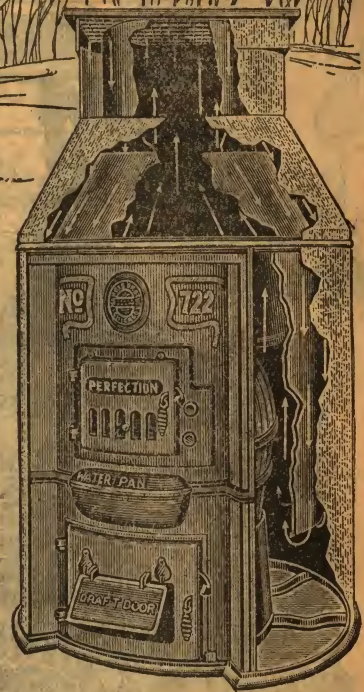
The "Harris" pipeless furnace has been carefully designed to embody all newest and best improvements, and as it is offered to you today it overcomes all the objectionable difficulties found in other makes. These furnaces present in themselves a complete heating system. They are ideal for the home, store, church, school and hall or for any building where the furnace can be placed in the basement near the center of the building. This furnace is designed to heat your entire building to an even temperature, distributing clean, warm air to every corner.

### One Register System

The heated air rises through the center part of the register and circulates through doorways to all rooms, continuing to rise and travel while heated, then falling and returning to the furnace. In this way an almost perfect circulation is continually maintained.

### Efficient—Economical

These splendid pipeless furnaces have been successfully installed and are giving thorough satisfaction in every part of the country. The principle of continuous circulation of heated, clean air to every corner is not only healthful but economical. There will be no stagnant air chambers in your home. When the heated air leaves the furnace, after giving up its heat, it returns to the furnace through the outer rim of the register, where it is cleaned, moistened and re-circulated through the heat register.



This sectional view shows clearly the extra large cold air return and the quick active warm air supply which increases circulation and prevents cold stagnant air pockets.

### The Splendid One Register Heating System

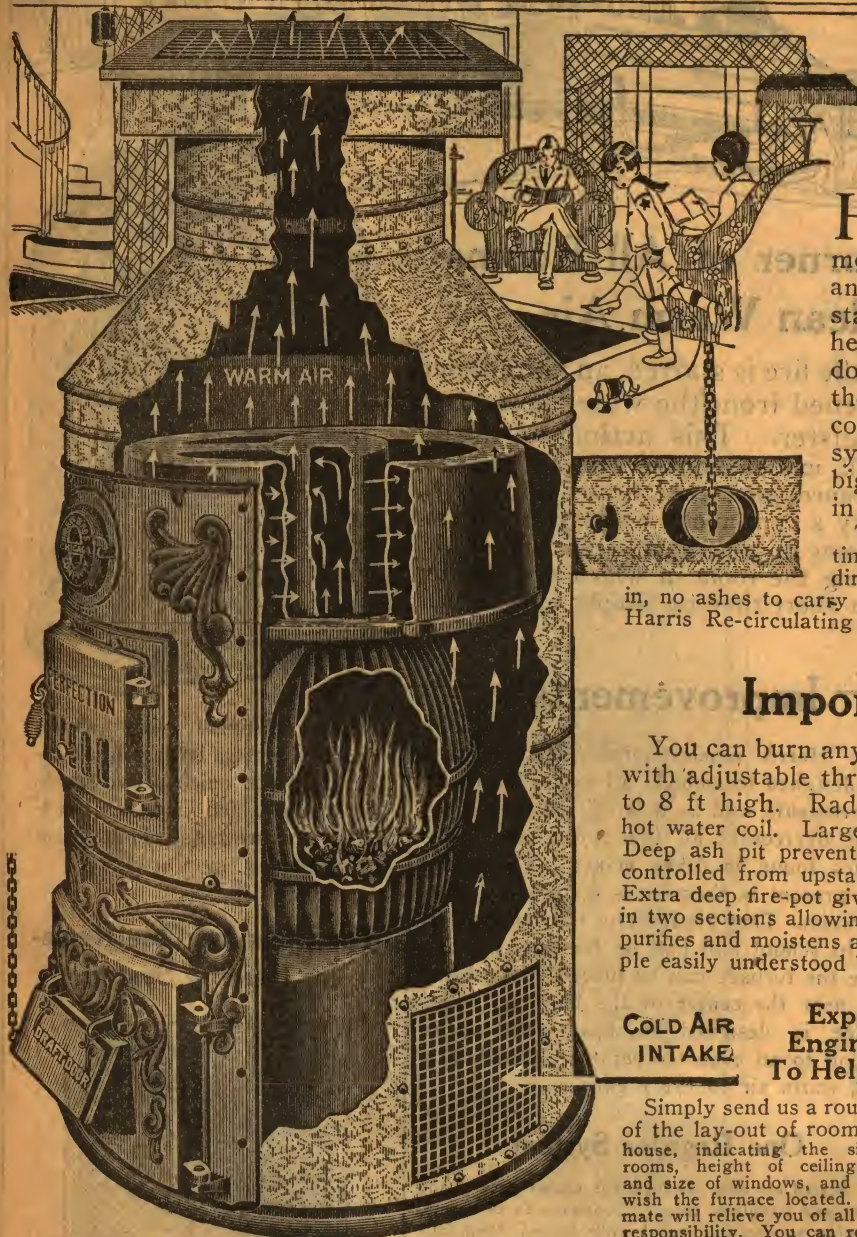


With each Harris Pipeless Furnace we furnish a Black Japanned Finished Register of suitable size to supply an abundance of cold air to the furnace.

The outer casing is 26 gauge bright galvanized steel, lined with asbestos and galvanized corrugated steel.



# Perfection Single Casing Pipeless Furnaces



Sectional view showing the excellent interior construction and air circulation.

## Heat All Rooms Thru One Register

**H**ARRIS Warm Air Re-circulating Pipeless Furnaces cost but little more than an ordinary heating stove, and are much easier handled and installed when you consider that your heating stove must be put up and taken down every six months or so. Besides the substantial saving in their low first cost, they are the most compact heating systems offered today. There are no big cumbersome pipes to take up room in your basement.

The heat is under complete control at all times and easily regulated from the room directly above the furnace. No coal to carry in, no ashes to carry out of your living rooms when you use a Harris Re-circulating Warm Air Pipeless Furnace.

## Important Features!

You can burn any kind of fuel with best results. Made with adjustable throat to fit in any basement from 6 ft. to 8 ft high. Radiator clean-out plug. Tappings for hot water coil. Large feed door. Triangular revolving grates. Deep ash pit prevents burned out grates. Draft and damper controlled from upstairs rooms. Cast iron reversible radiator. Extra deep fire-pot gives large heating capacity; corrugated and in two sections allowing for expansion. Large water pan, cleans, purifies and moistens air. Quick, easy installation with our simple easily understood blue-prints and instructions.

**COLD AIR  
INTAKE**

**Expert  
Engineers  
To Help You**

Simply send us a rough sketch of the lay-out of rooms in your house, indicating the size of all rooms, height of ceilings, number and size of windows, and where you wish the furnace located. Our estimate will relieve you of all worry and responsibility. You can rest assured the plant we figure for you will heat your home satisfactorily, in all weather.



Only one big centrally located register to comfortably heat all the rooms in your home; giving you more space in your living room which otherwise would be taken up by the stove, radiators and unnecessary registers.

## Prices and Specifications of Furnaces Shipped from Factory in Central Ill.

Furnace Number	17-A-620	17-A-622	17-A-624	17-A-626	17-A-628	17-A-630
Heating Cap., in cubic feet	13000	16000	23000	35000	47000	6500
Diam. of Casing, in inches	34	38	42	46	50	5
Height to Top of Casing, in inches	56	59	62	65	68	73
Height of Radiator, in inches	13	13	13	14	14	14
Diam. of Smoke Pipe, in inches	8	8	8	9	10	10
Size of Heating Register, in inches	18x24	20x26	22x28	28x36	28x36	36x36
Inside Diam. of Fire Pot, in inches	20	22	24	26	28	30
Shipping Weight, in pounds	790	915	1140	1365	1765	1950
Price, complete	\$69.50	\$81.50	\$100.00	\$121.00	\$151.00	\$180.00



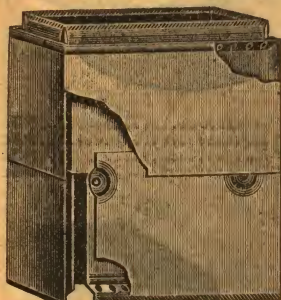
# Improved Warm Air Furnace Equipment

The warm air furnace equipment on this and the following page present a careful selection. All improved features to increase the efficiency of warm air heating systems and simplify their installation.

## Let Our Heating Engineers Help You

If you are planning to install a heating system and do not thoroughly understand all details of installation, you should take advantage of our Free Engineering service. Experts are waiting to help you.

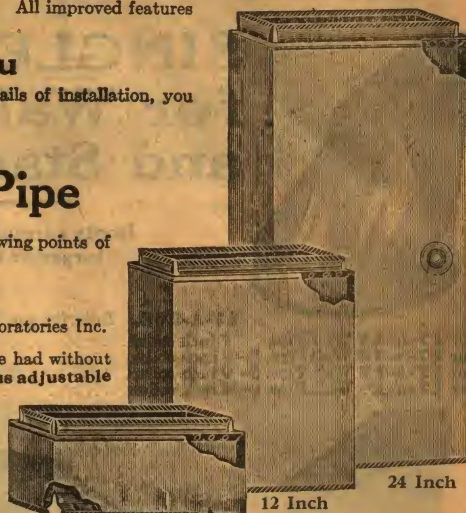
## Self-Locking DOUBLE Wall Pipe



No. 17-A-117  
Adjustable Joint

Our Self-Locking Double Wall Pipe possesses the following points of superiority:

- 1—Locks automatically and permanently.
- 2—Complies with all requirements of the Underwriters Laboratories Inc.
- 3—Any desired length, even to a fraction of an inch can be had without cutting. This is accomplished by means of our ingenious adjustable joint No. 17-A-117 illustrated at the left.
- 4—By using double wall pipe greatest efficiency can be obtained by saving 25 per cent, in transmitting heat as compared with single pipe wrapped with asbestos paper.



6 Inch  
12 Inch  
24 Inch  
Illustrating three sizes of our self locking Double Wall Pipe

## Low Prices!

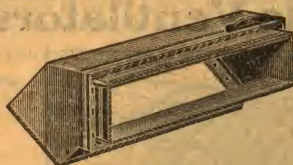
Order by Number		17-A-14	17-A-16	17-A-17	17-A-18
Size of Pipe	Inside	2½x10 ins.	2½x12 ins.	3x10 ins.	3x12 ins.
	Outside	3x10½ ins.	3x12½ ins.	3½x10½ ins.	3½x12½ ins.
Sections 4 inches long		\$0.33	\$0.46	\$0.33	\$0.46
Sections 6 inches long		.46	.60	.46	.60
Sections 10 inches long		.60	.70	.60	.70
Sections 12 inches long		.65	.75	.65	.75
Sections 18 inches long		.88	1.05	.88	1.05
Sections 24 inches long		1.15	1.40	1.15	1.40
No. 17-A-117. Adjustable Joint		.65	.75	.65	.75



Stack Tees

No. 17-A-116

For 17-A-14 Wall Pipe.....	\$ .87
For 17-A-16 Wall Pipe.....	1.08
For 17-A-17 Wall Pipe.....	.87
For 17-A-18 Wall pipe.....	1.08

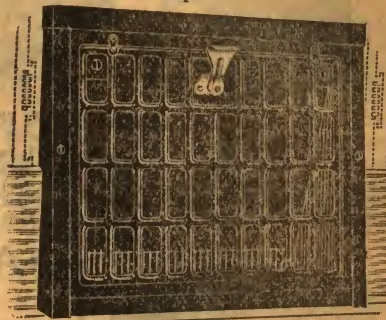


Stack Angles

No. 17-A-21

For 17-A-14 Wall Pipe.....	\$ .49
For 17-A-16 Wall Pipe.....	.54
For 17-A-17 Wall Pipe.....	.49
For 17-A-18 Wall Pipe.....	.54

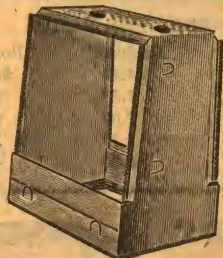
No.  
17-A-132



Base Board Registers

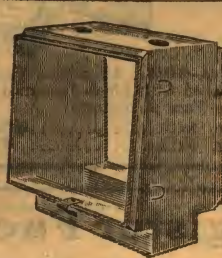
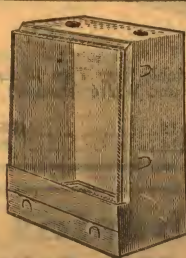
17-A-132. Newest and most efficient steel registers. This register can be attached to the tin box or stock head by means of straps for which holes have been provided. Wood screws are furnished with each register for attaching to studding.

Size	Black Oxidized		Size	Black Oxidized	
	Japanned	Cop.		Japanned	Cop.
8x10.....	\$1.70	\$3.00	10x12.....	\$3.10	\$4.15
9x12.....	2.50	3.35	11x13.....	3.75	5.65



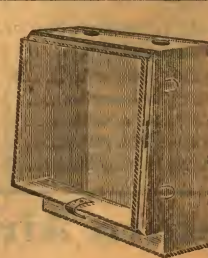
Stack Heads for First Floor

17-A-2. Stack Heads. For first Floor. Two Registers.		17-A-1. Stack Head. For first Floor. One Register.	
8x10.....	\$1.00	8x10.....	\$1.60
9x12.....	2.10	9x12.....	1.85
10x12.....	2.10	10x12.....	1.85
11x13.....	2.25	11x13.....	2.00



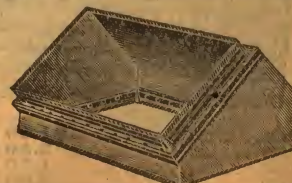
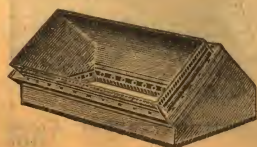
Stack Heads for Second Floor

17-A-5. Stack Head. For second Floor. Two Registers.		17-A-4. Stack Head. For second Floor. One Register.	
8x10.....	\$1.90	8x10.....	\$1.60
9x12.....	2.10	9x12.....	1.85
10x12.....	2.10	10x12.....	1.85



## Angles for First Floor

17-A-221. Angles. For use first Floor Stack Heads 17-A-1.		17-A-521. Angles. For use first Floor Stack Heads 17-A-2.	
8x10.....	\$1.61	8x10.....	\$1.99
9x12.....	1.83	9x12.....	2.10
10x12.....	1.83	10x12.....	2.10
11x13.....	2.00	11x13.....	2.25

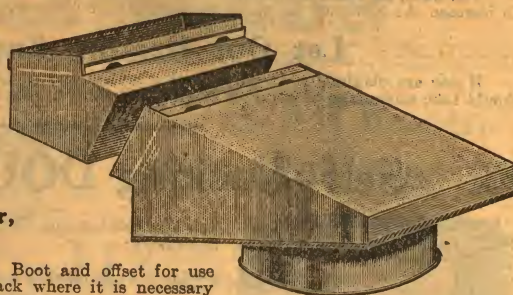


Prices on Single Stack Heads quoted on request



# Warm Air Furnace Equipment and Supplies

## SINGLE BOOTS for Wall Stacks and Stack Heads

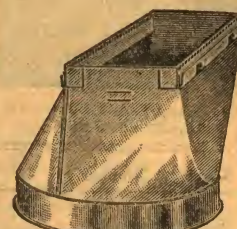
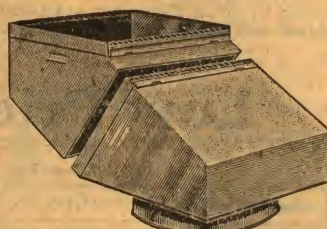
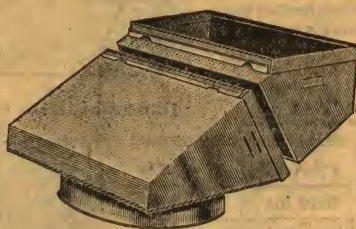
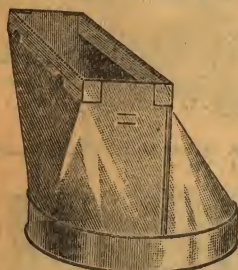


Boots cannot be furnished with collar,  
larger or smaller than indicated.

**17-A-308.** Boot for use with wall stacks:  
For 17-A-14 Wall Pipe, 7 inch collar..... **54c**  
For 17-A-16 Wall Pipe, 8- 9 inch collar..... **62c**  
For 17-A-17 Wall Pipe, 8- 9 inch collar..... **54c**  
For 17-A-18 Wall Pipe, 9-10 inch collar..... **62c**

**17-A-352.** Boot and offset for use  
with wall stack where it is necessary  
to offset over a beam.

For 17-A-14 Wall Pipe, 7 inch collar ..... **85c**  
For 17-A-16 Wall Pipe, 8- 9 inch collar ..... **95c**  
For 17-A-17 Wall Pipe, 8- 9 inch collar ..... **85c**  
For 17-A-18 Wall Pipe, 9-10 inch collar ..... **95c**



**17-A-408.** Boot for First Floor  
Stack Head No. 17-A-1.

Size, 8x10, 8 in. collar..... **65c**  
Size, 9x12, 9 in. collar..... **74c**  
Size, 10x12, 10 in. collar..... **74c**  
Size, 11x13, 12 in. collar..... **88c**

**17-A-452.** Boot and offset for  
use with First Floor Stack Head  
17-A-1, to offset over beam.

Size, 8x10, 8 in. collar..... **\$1.20**  
Size, 9x12, 9 in. collar..... **1.35**  
Size, 10x12, 10 in. collar..... **1.35**  
Size, 11x13, 12 in. collar..... **1.55**

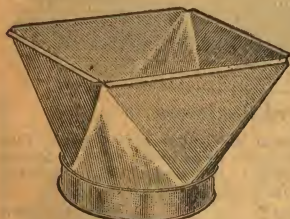
**17-A-652.** Boot and offset for  
use with First Floor Stack Head  
17-A-2 to offset over beam.

Size, 8x10, 8 in. collar..... **\$1.21**  
Size, 9x10, 9 in. collar..... **1.35**  
Size, 10x12, 10 in. collar..... **1.35**  
Size, 11x13, 12 in. collar..... **1.56**

**17-A-608.** Boot for First Floor  
Stack Head 17-A-2.

Size, 8x10, 8 in. collar..... **\$ .77**  
Size, 9x12, 9 in. collar..... **.86**  
Size, 10x12, 10 in. collar..... **.86**  
Size, 11x13, 12 in. collar..... **1.00**

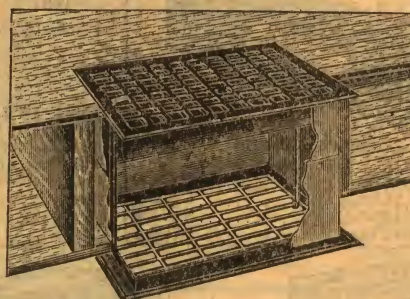
## Adjustable Ventilators



**Register Box**

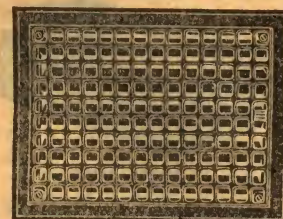
**17-A-601.** Register Box for First  
Floor Registers.

Size, 8x10, 8 in. collar..... **\$ .46**  
Size, 9x12, 9 in. collar..... **.49**  
Size, 10x12, 10 in. collar..... **.55**  
Size, 12x15, 12 in. collar..... **.74**  
Size, 14x20, 14 in. collar..... **1.54**



**17-A-602.** Adjustable Ventilators. Adjustable from 7 to 12 inches,  
supplied with Black Japanned Register at top and White Japanned Register  
Face at bottom.

Size, 8x10..... **\$3.70** | Size, 10x12..... **\$5.35**  
Size, 9x12..... **4.50** | Size, 12x14..... **8.40**



**Floor Register**

**17-A-600.** Floor Register.

Size	Register	Border
8x10	<b>\$1.40</b>	<b>\$0.95</b>
9x12	<b>1.75</b>	<b>1.20</b>
10x12	<b>2.00</b>	<b>1.40</b>
12x15	<b>3.75</b>	<b>2.40</b>
14x20	<b>8.00</b>	<b>4.00</b>

## Return Air Register Face



**Strongly made  
of Select Oak**

**Eight Sizes**

16x24..... <b>\$1.60</b>	18x30..... <b>\$2.25</b>
20x24..... <b>2.00</b>	20x30..... <b>2.50</b>
14x30..... <b>1.75</b>	24x30..... <b>3.00</b>
16x30..... <b>2.00</b>	30x30..... <b>3.75</b>

**17-A-700.** Oak Re-  
turn Air Face.

## Asbestos Paper

**25 lb. Rolls \$4.00**

**17-A-710.** A fireproof material made of  
natural, mineral asbestos fibre. It is very  
soft and pliable. It is usually applied with  
starch paste or the special asbestos paste  
listed below.

In addition to covering hot air pipes,  
asbestos paper can be used for covering  
ceilings, walls, partitions, exposed to heat.  
It comes in rolls 36 inches wide, weighing  
about 1 lb. to the sq. yd.

100 pound rolls, each..... **\$10.00**  
50 pound rolls, each..... **5.50**  
25 pound rolls, each..... **3.00**

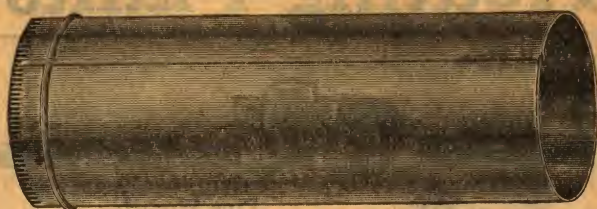
## Asbestos Paste

**17-A-712.** Asbestos Paste for applying asbestos paper to pipes. Comes  
in 2½ pound packages. Per package..... **.60c**





# Select Material of Best Manufacture



17-A-145.

## Warm Air Tin Pipe

7 inch, per foot.....	24c	10 inch, per foot.....	30c
8 inch, per foot.....	25c	12 inch, per foot.....	35c
9 inch, per foot.....	26c	14 inch, per foot.....	64c

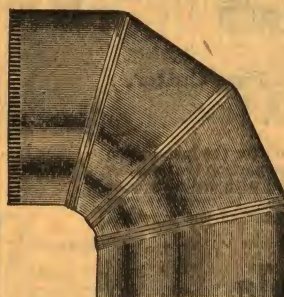


17-A-7530.

## 26 Gauge Galvanized Smoke Pipe

6 inch, per foot.....	30c	9 inch, per foot.....	33c
7 inch, per foot.....	31c	10 inch, per foot.....	36c
8 inch, per foot.....	32c	12 inch, per foot.....	39c

Warm Air Tin Pipe and Galvanized Smoke Pipe, made in two foot lengths only.



17-A-146.

## Adjustable Warm Air Tin Elbows

7 inch, each.....	33c
8 inch, each.....	35c
9 inch, each.....	39c
10 inch, each.....	46c
12 inch, each.....	77c



All Pipe Perfectly Made Easily Jointed and Tight



17-A-7510.

## 26 Gauge Adjustable Galvanized Smoke Elbows

6 inch, each.....	\$0.40
7 inch, each.....	.46
8 inch, each.....	.54
9 inch, each.....	.62
10 inch, each.....	.77
12 inch, each.....	1.08

## Other Desirable Features

Our Hot Air and Smoke Pipe comes in two foot lengths. Shipped knocked down. Each section is formed and shaped all ready to be locked in position and connected. By shipping this pipe knocked down and packed solid in a bundle it takes a much lower freight rate.

## Steel Warm Air Dampers



17-A-147.

7 inch, per foot.....	23c
8 inch, per foot.....	25c
9 inch, per foot.....	28c
10 inch, per foot.....	31c
12 inch, per foot.....	46c
14 inch, per foot.....	62c

## Warm or Cold Air Pipe Collars



Collars for attaching Hot Air and Cold Air Pipe to furnace.

Top Bonnet Collar 17-A-148		Pitch Bonnet Collar 17-A-149.		Side Bonnet Collar 17-A-150.	
7 inch, each.	28c	7 inch, each.	28c	10 inch, each.	35c
8 inch, each.	31c	8 inch, each.	31c	12 inch, each.	40c
9 inch, each.	35c	9 inch, each.	35c	14 inch, each.	45c
10 inch, each.	39c	10 inch, each.	39c	16 inch, each.	65c
12 inch, each.	46c	12 inch, each.	46c	18 inch, each.	75c
14 inch, each.	56c	14 inch, each.	56c	20 inch, each.	95c

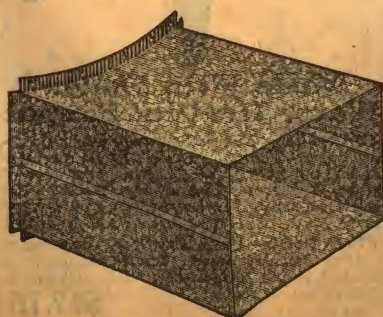
## Cast Iron Smoke Dampers



17-A-7535.

6 inch, each.....	45c
7 inch, each.....	46c
8 inch, each.....	63c
9 inch, each.....	78c
10 inch, each.....	95c
12 inch, each.....	\$1.10

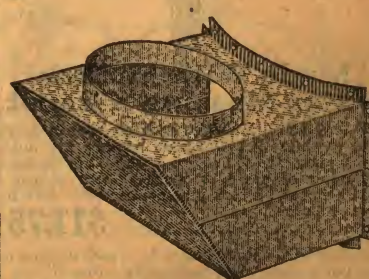
## Rectangular Return Air Shoe



17-A-701. Return Air Shoe. For Rectangular Duct. Made of galvanized iron.

Size, 10x16 in., ea..	\$2.70
Size, 12x18 in., ea..	2.80
Size, 13x20 in., ea..	3.20
Size, 14x23 in., ea..	3.60
Size, 15x26 in., ea..	4.25

## Round Return Air Shoe



17-A-702. Return Air shoe. For Round Ducts. Made of galvanized iron.

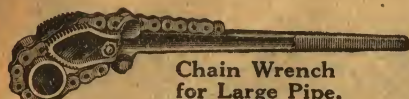
10x16 in., 14 in. collar.	Each.....	\$3.50
12x18 in., 16 in. collar.	Each.....	\$3.90
13x20 ins., 18 in. collar.	Each.....	\$4.50
14x23 ins., 20 in. collar.	Each.....	\$5.25
15x26 ins., 22 in. collar.	Each.....	\$5.50

When ordering return air shoes give casting diameter of furnace.

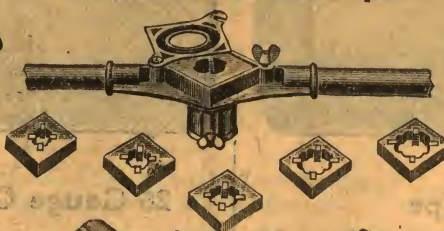


# Tools to Install Heating Plants

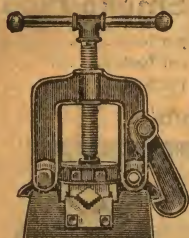
Stock & Dies for Small Pipe.



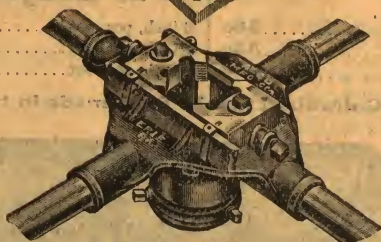
Chain Wrench  
for Large Pipe.



Pipe Wrench  
for Small Pipe.



Pipe  
Vise.



Stock & Dies for Large Pipe.



Pipe Cutter.

The tool sets below have been carefully assembled to give our customers a complete equipment of best tools for the installation of Heating Plants. After you have decided upon the set you will need to complete your work, you will find by comparison that the low prices we are asking offer a substantial saving. The tools included in these outfits are of high grade quality and with ordinary care will give you long service. If you wish to do so, we will allow you the privilege of returning tool sets described below after you have finished installing your heating plant and will refund you for all tools returned in good condition, 90 per cent, of the purchase price. This nominal charge of 10 per cent, for the use of the tools barely covers our expense in handling.

## Complete Sets of Heating Plant Tools

**4-A-100.** The following tools are all of the finest quality and this set is recommended for use in installing heating plants where pipe not larger than 2 inches in diameter is used. The set consists of:

- 1 Pipe Vise for up to 2½ inch pipe.
- 1 Stock and Dies for ¼ to 1 inch pipe.
- 1 Stock and Dies for 1¼, 1½ and 2 inch pipe.
- 1 14 inch Pipe Wrench, takes ½ to 1½ inch pipe.
- 1 18 inch Pipe Wrench, takes ¾ to 2 inch pipe.
- 1 Pipe Cutter, cuts 1 inch to 2 inch pipe.
- 1 Pipe Cutter, cuts ½ to 1 inch pipe.

**\$23.50**

**4-A-101.** Tools of all finest quality. This set is recommended for installing heating plants where pipe up to 3 inches in diameter is used. The set consists of:

- 1 Pipe Vise, takes ½ inch to 3 inch pipe.
- 1 Stock and Dies, takes ¼ inch to 1 inch pipe.
- 1 Stock and Dies, takes 1¼, 1½ and 2 inch pipe.
- 1 Stock and Adjustable Dies for 2¼ and 3 inch pipe.
- 1 14 inch Pipe Wrench for ½ to 1½ inch pipe.
- 1 18 inch Pipe Wrench for ¾ to 2 inch pipe.
- 1 27 inch Chain Wrench for 1¼ to 3 inch pipe.
- 1 Pipe Cutter, cuts ½ inch to 1 inch pipe.
- 1 Pipe Cutter, cuts 1 inch to 2 inch pipe.
- 1 Pipe Cutter, cuts 2 inch to 3 inch pipe.

**\$60.00**

*For additional tools not shown above, we refer you to quotations in the Hardware Section of this catalog.*

### 2-Hole Water Heating LAUNDRY STOVE



#### Made With Hollow Water Heating Firepot

**17-A-350.** Strongly built of smooth gray iron castings; hollow water heating fire pot. Inside diameter of fire pot at top, 10¼ inches. Diameter of grate, 8 inches. Size of top, 14x20 inches. 1 inch pipe connection. 6 inch pipe collar.

Price.....**\$11.75**

**17-A-800.** Extra heavy 11¼ inch diameter fire pot at top. 9½ inch grate. Size of top, 21x23.

Price.....**\$15.25**

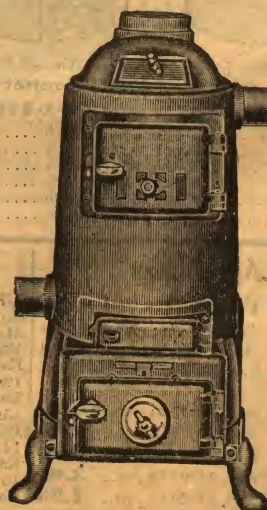
## TANK HEATERS

**\$33<sup>50</sup>**

**No. 100 CAST IRON TANK HEATER.** An excellent heater where a steady flow of hot water is required.

Water in barrel is all around fire which insures quick heating of the water and practically an unlimited supply. Inlet for water is on left side at bottom of water barrel. Outlet is on right side top of water barrel. Heater is substantially constructed and strongly reinforced. Large fire door at front insures convenient feeding. Nicked trimmings. Made of the very best gray iron castings. Diameter of grate, 10 inches. Diameter of fire pot at bottom, 14½ inches. Height of water barrel, 18 inches. Height from floor to top of smoke dome, 36 inches. Tank capacity, 200 gallons. Size of smoke pipe, 5 inches. Size of inlet and outlet, 1½ inches. Weight, 235 lbs.

Price.....**\$33.50**



### 4-Hole Water Heating LAUNDRY STOVE



#### Made With Hollow Water Heating Firepot

**17-A-450.** Four hollow water heating laundry stove. Four 8 inch lids. Inside diameter of fire pot at top, 10¼ inches. Diameter of grate, 8 inches. Size of top, 20x22. 100 gallon capacity. 1 inch connection.

Price.....**\$13.25**

**17-A-4800.** Extra heavy four hole water heating laundry stove. Inside diameter of fire pot at top, 11¼ inches. 9½ inch grate. Size of top, 22x24.

Price.....**\$17.75**



# HARRIS TWIN POST CEMETERY ARCH



Nothing can be more appropriate for a roadway into a Cemetery than one of our beautiful Arches with the name of the Cemetery in beautiful White Enameled letters printed across the top.

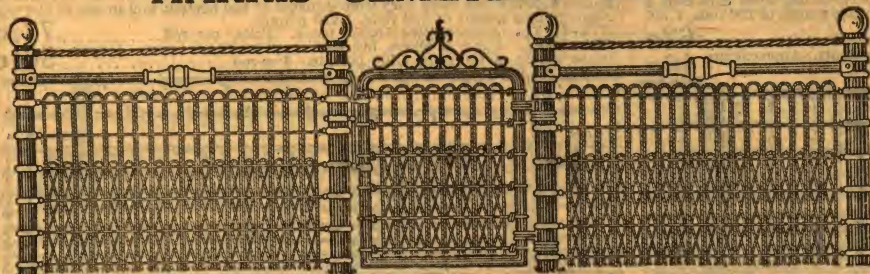
The "Harris" Twin Post Cemetery Arch is made up with two upright posts on each side, measuring 1 3/4 inches in diameter. These posts are placed 12 inches apart. The spaces between, divided into vertical sections by short pieces of pipe which act as braces to the posts. These vertical sections are filled with neat and attractive scroll work.

The "Top" of the "Harris" Arch is mounted with a beautiful scroll pattern and is filled with one of our most beautiful designs of Ornamental Wire Fabric. We also place in the corners beneath the top an elegant pattern of scroll work. Each post is fitted with a heavy cast iron base and neat white enameled Ornament on the top. We put the name of your Cemetery on the top of the Arch in beautiful White Enameled Letters, without additional cost.

**2-A-9501.** Harris Twin Post Cemetery Arch..... **\$67.00**

For \$24.00 additional, we will send an Arch with upright posts 2 1/4 inches in diameter. The price quoted is for driveway 8, 10 and 12 ft., but does not include the gates. For prices on Gates, see pages in this Catalogue.

## HARRIS CEMETERY GRAVE LOT ENCLOSURE



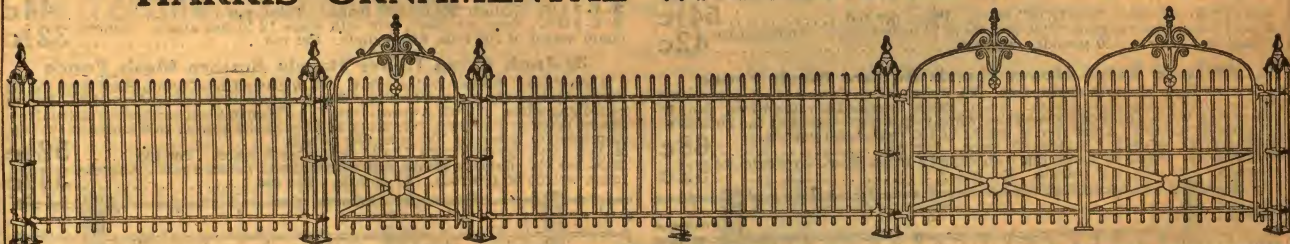
Beautify and protect your Burial Lot with Ideal Grave Lot Enclosure; regardless of whether or not the Cemetery is fenced. Adds wonderfully to the appearance of your burial lot and general surroundings.

We use the same posts, railing, fabrics and fittings as described in our "Harris Premier" Ornamental Fence. This Fence is made in one height only, 36-inch, filled with a 30-inch fabric, making a very practical enclosure. The highest grade of galvanizing is used in the manufacture of this Fence—will outwear many of the higher priced fences. Prices below include one walk gate, 3 ft. wide.

Lot No. 2-A-9121. 8x10 ft. enclosure, 36 in. high..... **\$21.60**  
 Lot No. 2-A-9141. 8x15 ft. enclosure, 36 in. high..... **27.60**  
 Lot No. 2-A-9161. 8x20 ft. enclosure, 36 in. high..... **33.60**

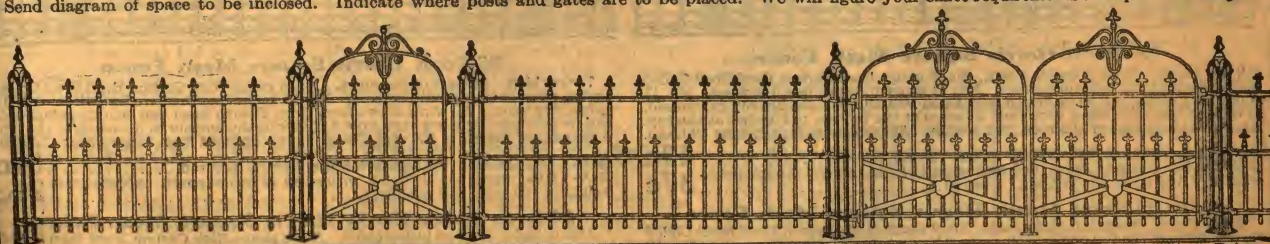
Lot No. 2-A-9171. 10x12 ft. enclosure, 36 in. high..... **\$26.40**  
 Lot No. 2-A-9181. 10x15 ft. enclosure, 36 in. high..... **30.00**  
 Lot No. 2-A-9191. 20x20 ft. enclosure, 36 in. high..... **48.00**

## HARRIS ORNAMENTAL WROUGHT IRON FENCE



	Picket	Spaced Apart	Size of Chan. Rail	Height	Price	Height	Price	Height	Price	Height	Price	Height	Price
2-A-1062...	3/8 in.	4 in.	1 1/4 x 1/2 in.	37 in.	.....	42 in.	.....	48 in.	.....	.....	.....	.....	.....
2-A-1066...	1/2 in.	4 in.	1 1/4 x 1/2 in.	37 in.	.....	42 in.	.....	48 in.	.....	.....	.....	.....	.....
2-A-1068...	5/8 in.	5 in.	1 1/2 x 1/2 in.	37 in.	.....	42 in.	.....	48 in.	.....	54 in.	.....	60 in.	.....
2-A-1070...	3/4 in.	5 in.	1 1/2 x 1/2 in.	37 in.	.....	42 in.	.....	48 in.	.....	54 in.	.....	60 in.	.....

Send diagram of space to be inclosed. Indicate where posts and gates are to be placed. We will figure your exact requirements and quote lowest prices



	Size, Picket	Pickets Spaced	Size of Channel Rail	Height	Price	Height	Price	Height	Price	Height	Price
2-A-1001.....	3/8 in.	4 in.	1 1/4 x 1/2 in.	37 in.	.....	42 in.	.....	48 in.	.....	.....	.....
2-A-1005.....	1/2 in.	4 in.	1 1/4 x 1/2 in.	37 in.	.....	42 in.	.....	48 in.	.....	.....	.....

The above prices are for a lineal foot, including line posts.

Corner, end and gate posts are extra.

Extra for corner, end and gate posts, 37 ins., 42 ins., 48 ins., 54 ins., 60 ins.

When figuring cost of Fencing, measure full opening, including gates corner, end and gate posts, then add each for single gates, 3 ft. 2 in. wide each for double gates, 8 ft. 2 in. wide, and extras for posts as shown above



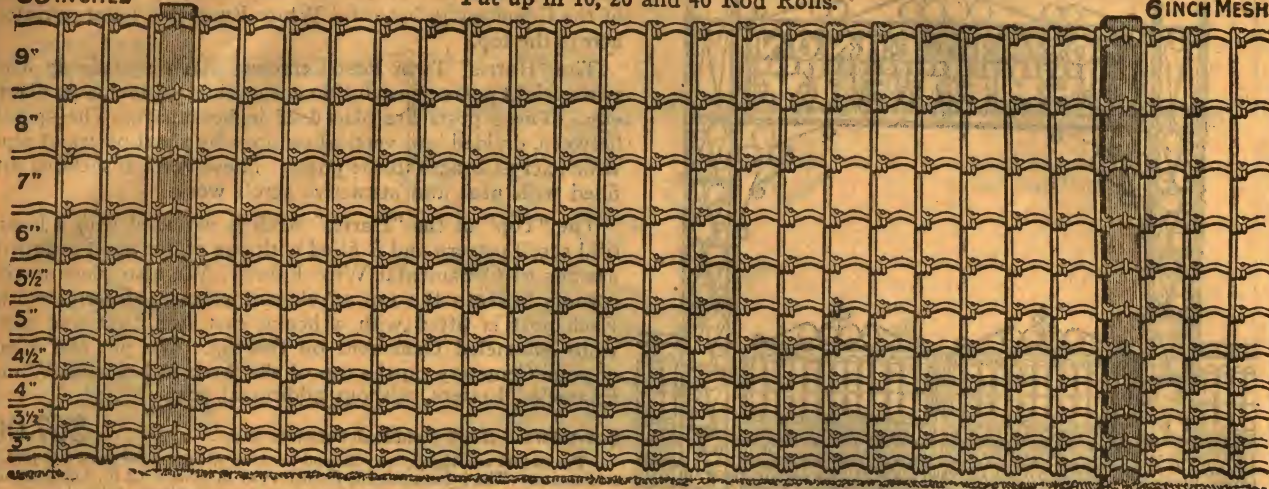
# HARRIS SQUARE MESH FENCE

You will find this to be a very durable fencing. It is made of open hearth steel galvanized with the best quality of pure zinc spelter. This fencing has uniform tension curves in the line wires, which provide amply for contraction and expansion, due to changes in temperature, and keep the fence straight and tight during all seasons of the year. The fence will stretch evenly and perfectly over either level or hilly ground.

55 INCHES

Put up in 10, 20 and 40 Rod Rolls.

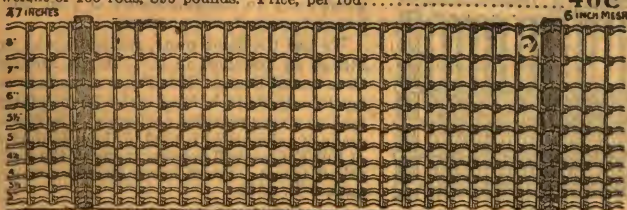
6 INCH MESH



## 55-Inch Square Mesh Fence

11 wires high. Stays 6 inches apart. No. 9 gauge High Carbon Hard Steel Coiled Spring wires at the top and bottom. No. 12 gauge High Carbon Hard Steel Coiled Spring intermediate line wires. No. 13 gauge stay wires. All wires drawn from Open Hearth Steel and heavily galvanized. Spaces between line wires vary from 3 inches at the bottom to 9 inches at the top. Approximate weight of 100 rods, 1,120 pounds. Shipped from factory near Chicago.

2-A-111. 55-inch "HARRIS" fence. Price, per rod..... **62c**  
 2-A-101. Same as above, but with stays 12 inches apart. Approximate weight of 100 rods, 890 pounds. Price, per rod..... **46c**



## 47-Inch Harris Square Mesh Fence

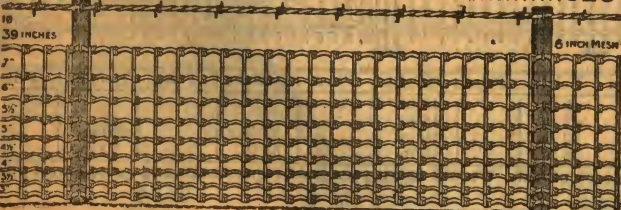
10 wires high. Stays 6 inches apart. No. 9 gauge High Carbon Hard Steel Coiled Spring wires at the top and bottom. No. 12 gauge intermediate line wires. No. 13 gauge stay wires. All wires drawn from Open Hearth Steel and heavily galvanized. Spaces between line wires vary from 3 inches at the bottom to 8 inches at the top. Approximate weight of 100 rods, 1,020 pounds. Shipped from factory near Chicago.

2-A-113. 47-inch "HARRIS" fence. Price, per rod..... **54 1/2c**  
 2-A-103. Same as above, but with stays 12 inches apart. Approximate weight of 100 rods, 810 pounds. Per rod..... **42c**

## 47-Inch Extra Heavy Harris Square Mesh Fence

10 wires high. Stays 6 inches apart. No. 9 gauge High Carbon Hard Steel Coiled Spring wires at the top and bottom. No. 11 gauge intermediate line wires. No. 12 gauge stay wires. All wires drawn from Open Hearth Steel and heavily galvanized. Spaces between line wires vary from 3 inches at the bottom to 8 inches at the top. Approximate weight of 100 rods, 1,280 pounds.

2-A-113. 47-inch "HARRIS" fence. Price, per rod..... **68c**  
 2-A-103. Same as above, but with stays 12 inches apart. Approximate weight of 100 rods, 990 pounds. Per rod..... **52c**



## 39-Inch Harris Square Mesh Fence

9 wires high. Stays 6 inches apart. No. 9 gauge High Carbon Hard Steel Coiled Spring wires at the top and bottom. No. 12 gauge intermediate line wires. No. 13 gauge stay wires. All wires drawn from Open Hearth Steel and heavily galvanized. Spaces between line wires vary from 3 inches at the bottom to 7 inches at the top. Approximate weight of 100 rods, 920 pounds. Shipped from factory near Chicago.

2-A-115. 39-inch "HARRIS" fence. Price, per rod..... **49c**  
 2-A-105. Same as above, but with stays 12 inches apart. Approximate weight of 100 rods, 700 pounds. Per rod..... **37c**

## 39-Inch Extra Heavy Harris Square Mesh Fence

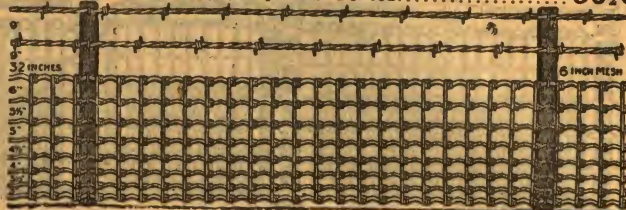
9 wires high. Stays 6 inches apart. No. 9 gauge High Carbon Hard Steel Coiled Spring wires at the top and bottom. No. 11 gauge intermediate line wires. No. 12 gauge stay wires. All wires drawn from Open Hearth Steel and heavily galvanized. Spaces between line wires vary from 3 inches at the bottom to 7 inches at the top. Approximate weight of 100 rods, 1,120 pounds. Shipped from factory near Chicago.

2-A-115. 39-inch "HARRIS" square mesh fence. Price, per rod..... **60c**  
 2-A-105. Same as above, but with stays 12 inches apart. Approximate weight of 100 rods, 890 pounds. Per rod..... **46c**

## 55-Inch Extra Heavy Square Mesh Fence

11 wires high. Stays 6 inches apart. No. 9 gauge High Carbon Hard Steel Coiled Spring wires at the top and bottom. No. 11 gauge intermediate line wires. No. 12 gauge stay wires. All wires drawn from open hearth steel and heavily galvanized. Spaces between line wires vary from 3 inches at the bottom to 9 inches at the top. Approximate weight of 100 rods, 1,410 pounds.

2-A-111. 55-inch "HARRIS" fence. Price, per rod..... **77 1/2c**  
 2-A-101. Same as above, but with stays 12 inches apart. Approximate weight of 100 rods, 1,100 pounds. Per rod..... **56 1/2c**



## 32-Inch Harris Square Mesh Fence

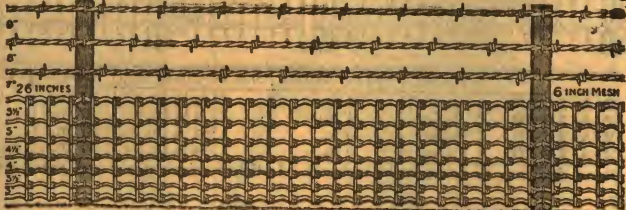
8 wires high. Stays 6 inches apart. No. 9 gauge High Carbon Hard Steel Coiled Spring wires at the top and bottom. No. 12 gauge intermediate line wires. No. 13 gauge stay wires. All wires drawn from Open Hearth Steel and heavily galvanized. Spaces between line wires vary from 3 inches at the bottom to 6 inches at the top. Approximate weight of 100 rods, 830 pounds. Shipped from factory near Chicago.

2-A-117. 32-inch "HARRIS" fence. Price, per rod..... **44c**  
 2-A-107. Same as above, but with stays 12 inches apart. Approximate weight of 100 rods, 650 pounds. Per rod..... **32 1/2c**

## 32-Inch Extra Heavy Harris Square Mesh Fence

8 wires high. Stays 6 inches apart. No. 9 gauge High Carbon Hard Steel Coiled Spring wires at the top and bottom. No. 11 gauge intermediate line wires. No. 12 gauge stay wires. All wires drawn from Open Hearth Steel and heavily galvanized. Spaces between line wires vary from 3 inches at the bottom to 6 inches at the top. Approximate weight of 100 rods, 980 pounds.

2-A-117. 32-inch "HARRIS" square mesh fence. Price, per rod..... **52 1/2c**  
 2-A-107. Same as above, but with stays 12 inches apart. Approximate weight of 100 rods, 780 pounds. Per rod..... **34 1/2c**



## 26-Inch Harris Square Mesh Fence

7 wires high. Stays 6 inches apart. No. 9 gauge High Carbon Hard Steel Coiled Spring wires at the top and bottom. No. 12 gauge intermediate line wires. No. 12 gauge stay wires. All wires drawn from Open Hearth Steel and heavily galvanized. Spaces between line wires vary from 3 inches at the bottom to 5 1/2 inches at the top. Approximate weight of 100 rods, 720 pounds. Shipped from factory near Chicago.

2-A-119. 26-inch "HARRIS" fence. Price, per rod..... **39c**  
 2-A-109. Same as above, but with stays 12 inches apart. Approximate weight of 100 rods, 580 pounds. Per rod..... **29c**

## 26-Inch Extra Heavy Harris Square Mesh Fence

7 wires high. Stays 6 inches apart. No. 9 gauge High Carbon Hard Steel Coiled Spring wires at the top and bottom. No. 11 gauge intermediate line wires. No. 12 gauge stay wires. All wires drawn from Open Hearth Steel and heavily galvanized. Spaces between line wires vary from 3 inches at the bottom to 5 1/2 inches at the top. Approximate weight of 100 rods, 850 pounds. Shipped from factory near Chicago.

2-A-119. 26-inch "HARRIS" square mesh fence. Price, per rod..... **45c**  
 2-A-109. Same as above, but with stays 12 inches apart. Approximate weight of 100 rods, 680 pounds. Per rod..... **34c**

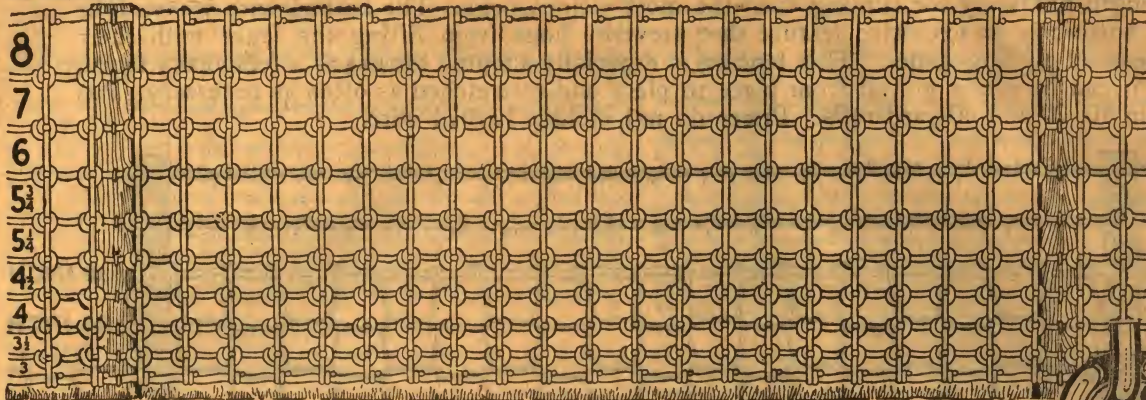


# Heavy Farm Fences—All No. 9 Wire!

Galvanized

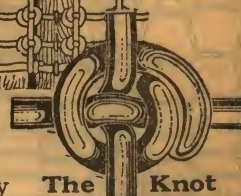
47 INCHES

6 INCH MESH



## For Strength and Long Lasting Service!

The designers of Perfection Farm Fences have carefully regarded every detail of construction to produce a fence that will endure under the most severe conditions. The open hearth steel wire is all extra heavy No. 9 with a thick coating of galvanizing insures strength and long life. An ingenious knot properly designed and tied to allow for uneven ground and climatic changes holds the line and stay wires firmly in place. Four heights to choose from covering every farm fence requirement. Perfection fencing put up in 10 and 20 rod rolls.



The Knot

Securely wrapped about the line and stay wires; prevents slipping; not too close to avoid air circulation. Permits any moisture to dry quickly. Fence adjusts itself over uneven ground and provides for expansion and contraction.

## Perfection 47-inch High Giant Farm Fence!

**2-A-183.** Made to meet the demand for a high fence for pastures to turn hogs and cattle. A strong, serviceable, safe fence.

**CONSTRUCTION:** The top, bottom, line and stay wires are all No. 9 gauge, all high quality Open Hearth steel, heavily galvanized, stays spaced 6 inches apart (32 to the rod). The high carbon steel wires with the tension curves, keep the Fence tight at all times. Spacing between the line wires 3, 3 1/2, 4, 4 1/2, 5 1/4, 5 3/4, 6, 7 and 8 inches. Weight per 100 rods, 98c  
1975 lbs. Per rod.....

### Size of Wire

[Margin wires, line wires and stay wires are all made of heavily galvanized open hearth No. 9 steel wire (actual size above).]

## Perfection 26-inch High Farm Fence

**2-A-184.** Perfection low Fencing heavily and strongly made to turn hogs, sheep and small animals. By adding two or three strands of barbed wire above this Perfection Fence, the increased height gained presents a general purpose farm fence.

**CONSTRUCTION:** The top, bottom, line and stay wires, all No. 9 gauge, stays spaced 6 inches apart (32 to the rod). High carbon steel wires with tension curves keep this fence tight under all conditions. Spacing between line wires, 3, 3 1/2, 4, 4 1/2, 5 1/4 and 5 3/4 inches. Weight per 100 rods, 1450 lbs.



No. 2A-184

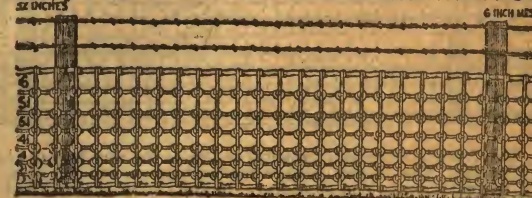
Perfection Fencing 26 inches high is put up in 10, 20 and 30 rod rolls.

Price, per rod.....70c

## Perfection 32-inch High Farm Fence

**2-A-185.** Medium high, Farm Fencing, embodying all features of "Perfection" Fence, strength and durability. A splendid fence for hogs and small cattle enclosures. By adding two strands of barbed wire at top, it is converted into a general farm fence of sufficient height to turn larger cattle.

**CONSTRUCTION:** The top, bottom, line and stay wires, all No. 9 gauge, stays spaced 6 inches apart (32 to the rod). High carbon steel wires with tension curves keep this fence in perfect shape at all times. Spacing between line wires, 3, 3 1/2, 4, 4 1/2, 5 1/4, 5 3/4 and 6 inches. Weight per 100 rods, 1700 lbs.



No. 2A-185

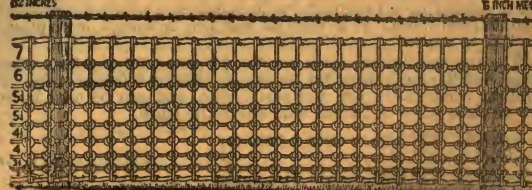
Perfection Fencing 32 inches high is put up in 10, 20 and 30 rod rolls.

Price, per rod.....83c

## Perfection 39-inch High Farm Fence

**2-A-186.** Perfection High Fencing, identically the same as our Giant Perfection Fence at top of page, except that it is made 8 inches lower. Extra height can be gained and a feature of protection and safety added by using one strand of barbed wire at top. Suitable for all farm enclosures to turn large and small animals.

**CONSTRUCTION:** The top, bottom, line and stay wires are all No. 9 gauge, stays spaced 6 inches apart (32 to the rod). High carbon steel wires with tension curves hold this fence tight at all times. Spacing between wires, 3, 3 1/2, 4, 4 1/2, 5 1/4, 5 3/4, 6 and 7 inches. Weight per 100 rods, 1750 lbs.



No. 2A-186

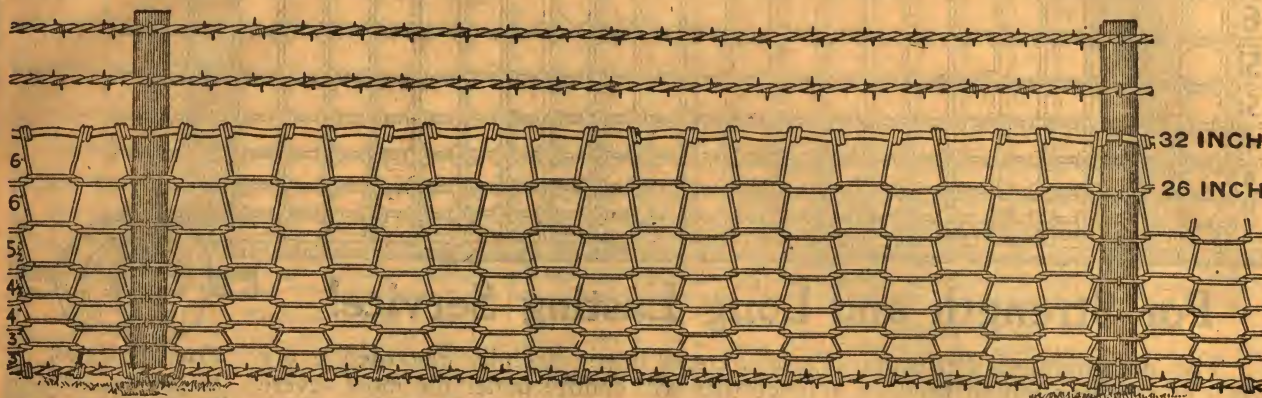
Perfection Fencing 39 inches high is put up in 10, 20 and 30 rod rolls.

Price, per rod.....85c



# Perfection and Victor Hog Fence

This fence is not as heavy as some of our other hog fences, but it possesses all the strength necessary for turning even the most vicious hogs. The barbed wire woven into the bottom is an exclusive feature that prevents hogs from lifting the fence with their noses and passing under. This fencing is especially adapted for use as a temporary fence, for it can be easily moved from place to place and restretched as often as necessary. Put up in 10, 20 and 40-yard rolls. Prices do not include barbed wire.



## 26-Inch Victor Hog Fence

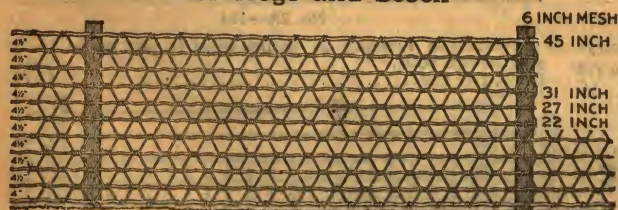
7 wires high. Barbed wire woven into bottom. Stays 6 inches apart. No. 11 gauge High Carbon Hard Steel Coiled Spring Wire at the top. No. 14 gauge intermediate line and stay wires. All wires drawn from Open Hearth Steel and heavily galvanized. Spaces between line wires, commencing at the bottom, are as follows: 3, 3, 4, 4½, 5½ and 6 inches. Approximate weight of 100 rods, 425 pounds. Shipped from factory near Chicago. **24c**

**2-A-122.** 26-inch Victor Hog Fence. Price, per rod..... **24c**  
NOTICE—By using two or three strands of barbed wire above Victor Hog Fence an excellent general purpose farm fence can be made at a very low cost. Barbed wire not included at this price.

## 32-Inch Victor Hog Fence

**2-A-123.** Same as above, but 32 inches high. 8 wires high. Approximate weight of 100 rods, 500 pounds. Price, per rod..... **30c**

## Harris Diamond Fencing For Hogs and Stock



This fence is thoroughly practical and gives the very best of satisfaction and service. The diamond shaped meshes hold the running wires in place and prevent slipping and spreading. In fact, every wire in the fence is a brace and support to all other wires.

The running wires are drawn from high carbon hard steel and are provided with tension curves which contract and expand with the changes of temperature and keep the fence straight and tight at all times.

While this fence is not quite as heavy as some of our other styles, yet it is strong enough for all ordinary requirements and makes an excellent general purpose farm fence. It is portable and can be moved from place to place as often as desired.

The top and bottom wires are No. 11 gauge, intermediate wires No. 14 gauge, and the mesh wires No. 16 gauge. Meshes 6 inches apart. This is an excellent combination hog and stock fence, and can be used by stretching two or three wires of barbed wire above the fence.

**2-A-301.** 22' high, weight 4 pounds. Per Rod..... **28½c**  
**2-A-302.** 27' high, weight 4½ pounds. Per Rod..... **31c**  
**2-A-303.** 31' high, weight 5 pounds. Per Rod..... **34c**  
**2-A-300.** 45' high, weight 6½ pounds. Per Rod..... **44½c**

## 26-Inch Perfection Hog Fence (Extra Heavy)

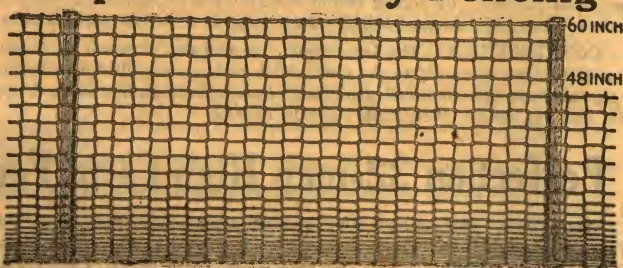
7 wires high. Barbed wire woven into bottom. Stays 6 inches apart. No. 10 gauge High Carbon Hard Steel Coiled Spring Wire at the top. No. 13 gauge intermediate line and stay wires. All wires drawn from Open Hearth Steel and heavily galvanized. Spaces between line wires, commencing at the bottom, are as follows: 3, 3, 4, 4½, 5½ and 6 inches. Approximate weight of 100 rods, 525 pounds. Shipped from factory near Chicago.

**2-A-112.** 26-inch Perfection Hog Fence. Price, per rod..... **29c**  
NOTICE—By using two or three strands of barbed wire above Perfection Hog Fence an excellent general purpose farm fence can be made and the cost is very low.

## 32-Inch Perfection Hog Fence (Extra Heavy)

**2-A-121.** Same as above, but 32 inches high. 8 wires high. Approximate weight of 100 rods, 600 pounds. Price, per rod..... **33c**

## Superior Poultry Fencing



Poultry Fence. Suitable for enclosing poultry lots, gardens and young orchards. Neither the line nor stay wires can be slipped, and it is woven sufficiently close to turn all kinds of poultry and small animals. A practical and satisfactory combination poultry and stock fence. All wires are of high carbon steel, heavily galvanized.

Our thirty-day trial fully protects you. You may erect the fence and if it is not satisfactory within 30 days, take it down, return it to us and we will pay freight on same and refund your money in full.

Put up in 10, 15, 20 rod rolls.

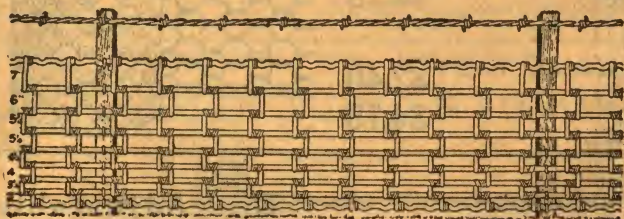
**2-A-116.** 48' high (20 wires) stays 4½' apart, No. 14 gauge top and bottom wires, 18 gauge intermediate and stay wires, weight approximately 400 pounds per 100 rods. Per Rod..... **38c**  
**2-A-14.** 48' high (17 wires) stays 6' apart, 10 gauge top and bottom wires, 14 gauge intermediate and stay wires, weight approximately 325 pounds, per 100 rods. Per Rod..... **48c**  
**2-A-17.** 60' high (23 wires) stays 4½' apart, No. 14 gauge top and bottom wires, 18 gauge intermediate and stay wires, weight approximately 450 pounds, per 100 rods. Per Rod..... **44c**  
**2-A-15.** 60' high (19 wires) stays 6' apart, No. 10 gauge top and bottom wires, 14 gauge intermediate and stay wires, weight approximately 325 pounds, per 100 rods. Per Rod..... **55c**



# Perfection Special Farm and Lawn Fencing

A page of carefully chosen fencing. The various designs cover a splendid selection for cattle, sheep, pigs, poultry and for lawn or estate enclosures. All are highly recommended and your decisions can be safely and quickly made according to the price you wish to pay.

## Sheep and Cattle Fencing



### LIGHT WEIGHT FENCES

CONSTRUCTION: No. 11 Top and Bottom Margin, No. 14 Line and Stay Wire. Stays spaced 12 inches apart. All open hearth steel heavily galvanized.

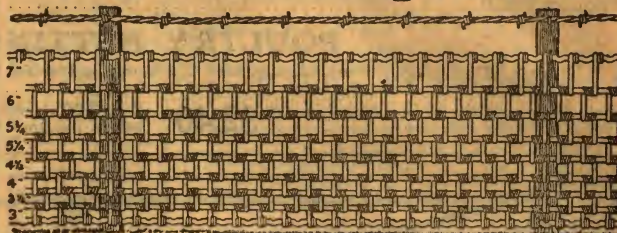
- 2-A-148. 26 in. high, 12 in. Stay. Wt., 100 rods, 350 lbs., per rod... 22c
- 2-A-147. 32 in. high, 12 in. Stay. Wt., 100 rods, 400 lbs., per rod... 25c
- 2-A-146. 39 in. high, 12 in. Stay. Wt., 100 rods, 450 lbs., per rod... 29c
- 2-A-145. 47 in. high, 12 in. Stay. Wt., 100 rods, 500 lbs., per rod... 33c

### HEAVY WEIGHT FENCES

CONSTRUCTION: Styles 2-A-131 and 2-A-132 have a No. 9 top, No. 10 bottom margin; Styles 2-A-133 and 2-A-134 a No. 10 top and bottom margin. All have No. 12 line, No. 12 1/2 Stay. Stays spaced 12 inches apart. All open hearth steel, heavily galvanized.

- 2-A-134. 26 in. high, 12 in. Stay. Wt., 100 rods, 560 lbs., per rod... 32c
- 2-A-133. 32 in. high, 12 in. Stay. Wt., 100 rods, 610 lbs., per rod... 35c
- 2-A-132. 39 in. high, 12 in. Stay. Wt., 100 rods, 700 lbs., per rod... 39c
- 2-A-131. 47 in. high, 12 in. Stay. Wt., 100 rods, 800 lbs., per rod... 44c

## Hog & Little Pig Fences



### LIGHT WEIGHT FENCES

CONSTRUCTION: No. 11 Top and Bottom Margin, No. 14 Line and Stay Wires. Stays spaced 6 in. apart. All open hearth steel heavily galvanized.

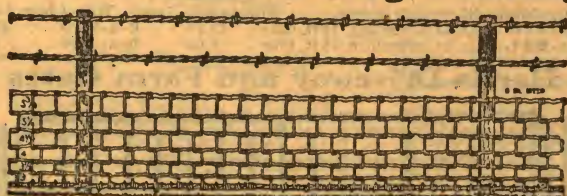
- 2-A-143. 26 in. high, 6 in. Stay. Wt., 100 rods, 450 lbs., per rod... 27c
- 2-A-142. 32 in. high, 6 in. Stay. Wt., 100 rods, 525 lbs., per rod... 32c
- 2-A-141. 39 in. high, 6 in. Stay. Wt., 100 rods, 575 lbs., per rod... 36c
- 2-A-140. 47 in. high, 6 in. Stay. Wt., 100 rods, 650 lbs., per rod... 40c

### HEAVY WEIGHT FENCES

CONSTRUCTION: Styles 2-A-125 and 2-A-126 have a No. 9 Top and No. 10 Bottom Margin. Styles 2-A-127 and 2-A-128 a No. 10 Top and Bottom Margin. All have a No. 12 Line and No. 12 1/2 Stay Wire. Stays spaced 6 inches apart. All open hearth and heavily galvanized.

- 2-A-128. 26 in. high, 6 in. Stay. Wt., 100 rods, 675 lbs., per rod... 38c
- 2-A-127. 32 in. high, 6 in. Stay. Wt., 100 rods, 755 lbs., per rod... 44c
- 2-A-126. 39 in. high, 6 in. Stay. Wt., 100 rods, 900 lbs., per rod... 48c
- 2-A-125. 47 in. high, 6 in. Stay. Wt., 100 rods, 1020 lbs., per rod... 54c

## Barbed Bottom Hog Fencing



CONSTRUCTION: No. 11 Top Margin, Hog Barbed Wire Bottom Margin, No. 14 Line and Stay. All open hearth steel heavily galvanized. For a hog fence at a reasonable price, buy several rolls.

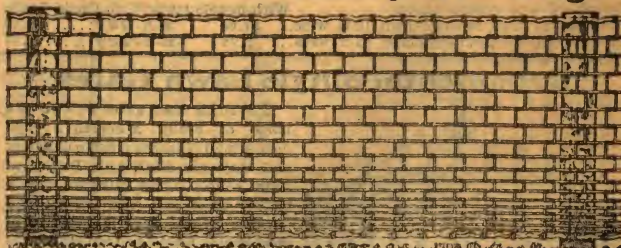
- 2-A-180. 26 in. high, 6 in. Stay. Wt., 100 rods, 450 lbs., per rod... 28c
- 2-A-181. 32 in. high, 6 in. Stay. Wt., 100 rods, 525 lbs., per rod... 32c
- 2-A-182. 26 in. high, 12 in. Stay. Wt., 100 rods, 350 lbs., per rod... 25c

### HEAVY WEIGHT BARBED WIRE BOTTOM FENCES

CONSTRUCTION: No. 10 Top Margin, Hog Barbed Wire Bottom Margin, No. 13 Line and Stay.

- 2-A-190. 26 in. high, 6 in. Stay. Wt., 100 rods, 565 lbs., per rod... 34c
- 2-A-191. 32 in. high, 6 in. Stay. Wt., 100 rods, 660 lbs., per rod... 40c

## Perfection Poultry Fencing



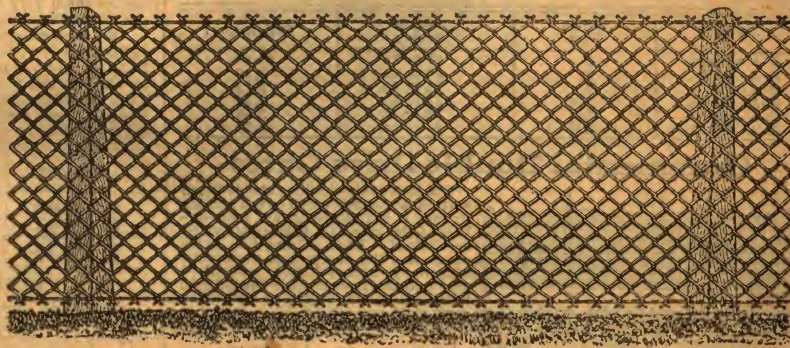
An excellent Poultry Fence, carefully designed to meet every need of the perfectly enclosed poultry yard holding small and large chickens.

CONSTRUCTION: No. 11 Top and No. 12 Bottom Margin, No. 14 Line and Stay. Stays spaced 6 inches apart. All open hearth steel heavily galvanized.

- 2-A-138. 36 in. high, 6 in. Stay. Wt., 100 rods, 735 lbs., per rod... 47c
- 2-A-137. 50 in. high, 6 in. Stay. Wt., 100 rods, 885 lbs., per rod... 55c
- 2-A-136. 60 in. high, 6 in. Stay. Wt., 100 rods, 985 lbs., per rod... 60c

## Perfection Lawn Fence

One of our leading and best selling styles. It makes a handsome yard and lawn fence and is admirably adapted for cemeteries and gardens. It turns everything—from all kinds of stock to chickens. It is very easily erected and it looks very well. This is a fence that is sure to please you. The construction is of the link chain type. Absolutely non-climbable. Furnished in any length rolls.



## —Special Low Prices—

- |          |   |                      |     |
|----------|---|----------------------|-----|
| 2-A-110. | 36 inches high, No. 11 gauge, 2 1/4-inch mesh; weight per 100 feet, 140 pounds. | Price, per foot..... | 13c |
| 2-A-111. | 42 inches high, No. 11 gauge, 2 1/4-inch mesh; weight per 100 feet, 160 pounds. | Price, per foot..... | 14c |
| 2-A-112. | 48 inches high, No. 11 gauge, 2 1/4-inch mesh; weight per 100 feet, 180 pounds. | Price, per foot..... | 15c |
| 2-A-113. | 36 inches high, No. 10 gauge, 2 1/4-inch mesh; weight per 100 feet, 180 pounds. | Price, per foot..... | 16c |
| 2-A-114. | 48 inches high, No. 10 gauge, 2 1/4-inch mesh; weight per 100 feet, 210 pounds. | Price, per foot..... | 17c |
| 2-A-115. | 36 inches high, No. 10 gauge, 1 3/4-inch mesh; weight per 100 feet, 250 pounds. | Price, per foot..... | 20c |
| 2-A-116. | 48 inches high, No. 10 gauge, 1 3/4-inch mesh; weight per 100 feet, 280 pounds. | Price, per foot..... | 23c |



# U. S. POULTRY FENCE \$240

The U. S. Poultry Fence and Hexagon Mesh Poultry Netting are woven from 19 gauge steel wire, heavily galvanized before weaving

Per Bale

The U. S. Fence is 72 inches high and is so constructed that each parallel wire adds to the tensile strength making it the strongest and most efficient poultry fencing on the market. With this type of fence, top or bottom rails are not needed. Bales contain 150 lineal feet.

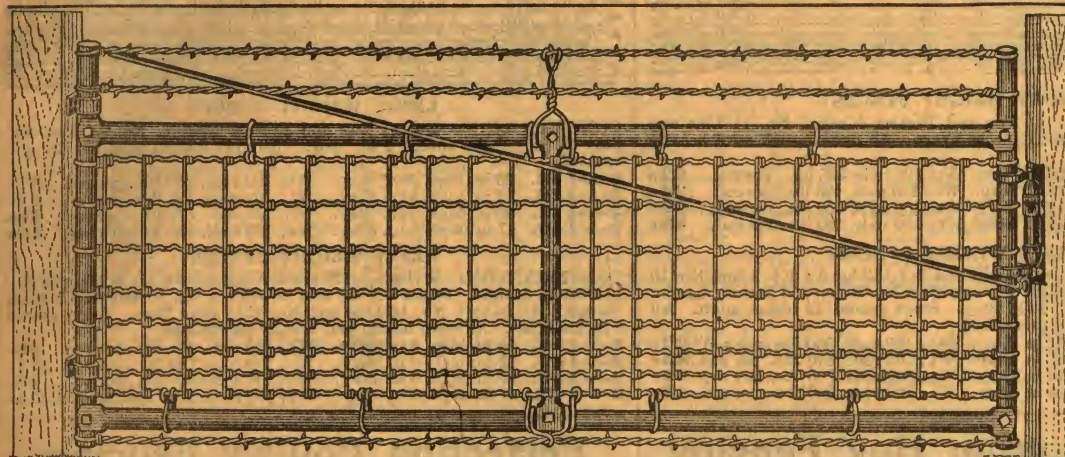
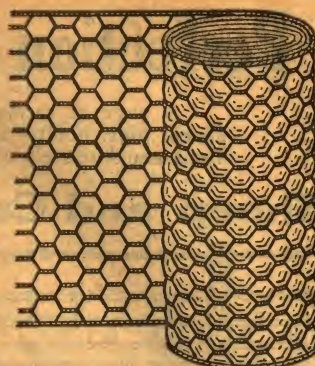
\$4.75

## POULTRY NETTING

Hexagon Mesh Poultry Netting, 19 gauge wire, 2 inch mesh, galvanized before weaving. Put up in bales of 150 lineal feet. Price, per bale.....

2-A-206. Height 36 in., mesh 2 in., per bale of 150 lineal feet, now..... \$2.40

2-A-207. Height 72 in., mesh 2 in., per bale of 150 lineal feet..... \$4.75



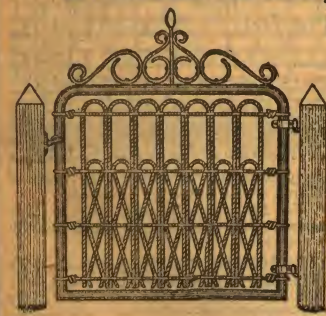
## Adjustable Painted Gate

Height, 4 1/4 feet; frame work, 2-inch O. D. reclaimed boiler tubes; fencing, all 9-inch galvanized, three strands barb wire; stay or adjustment wire 9-gauge galvanized; hinges, heavy eyebolt, 12-inch shanks, threaded 9 inches; latch, either chain or double, paint, two coats high-grade, grey enamel iron paint, brushed on; adjustable to any angle.

Furnished with eyebolt hinges. With double latch With Chain Latch  
2-A-217. Size, 54 inches high, 10 ft. wide... \$7.00 2-A-227..... \$6.50  
2-A-218. Size, 54 inches high, 12 ft. wide... 7.75 2-A-228..... 7.25

Furnished with eyebolt hinges. With Double Latch With Chain Latch  
2-A-219. Size, 54 inches high, 14 ft. wide... \$8.25 2-A-229..... \$7.75  
2-A-221. Size, 54 inches high 16 ft. wide... 9.00 2-A-230..... 8.50

## Ornamental Single Lawn Gates



The single lawn gates we offer are made of heavy Merchant's pipe measuring 1 1/4 inches outside diameter and they are filled with Perfection Lawn Fence. These gates are strictly poultry-proof and very strong and durable. Each gate is fitted with good heavy hinges and an automatic latch. The frame is nicely painted with metallic paint to prevent rust. When these gates are ordered with Perfection Lawn Fence they should be specified three inches higher than the fence and gate and the fence and gate will then match.

Set posts, 3 1/4 inches further apart than width of gate ordered.

Number	Width Feet	Height Inches	Ornamental
2-A-405A	3	27 or 33	\$3.00
2-A-406A	3	39 or 45	3.10
2-A-407A	3	51 or 54	3.15
2-A-408A	3 1/4	27 or 33	3.35
2-A-409A	3 1/4	39 or 45	3.65
2-A-410A	3 1/4	51 or 54	3.70

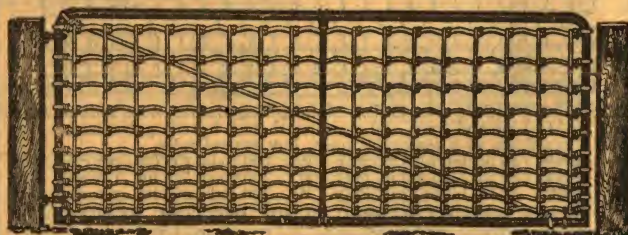
## Ornamental Double Drive Gates



One side of the double gates is fitted with an automatic catch at the bottom so that it is possible to use just one-half of the gate as a single gate when so desired. Each of the two gates composing the double gate are braced diagonally with a heavy galvanized wire and the 12-foot wide double gate is braced in the center of each gate with a 1/4-inch upright pipe, making them very rigid and strong.

Number	Width Feet	Height Inches	Ornamental	Plain
2-A-416A	10	27	\$7.30	\$7.05
2-A-417A	10	33	7.35	7.10
2-A-418A	10	39	8.15	7.90
2-A-419A	10	45	8.15	7.90
2-A-420A	10	51	8.35	8.10
2-A-421A	12	27	8.60	8.35
2-A-422A	12	33	8.60	8.35
2-A-423A	12	39	9.20	8.95
2-A-424A	12	45	9.20	8.95
2-A-425A	12	51	9.75	9.50

## Harris Driveway and Farm Gates



This gate is made of 1 1/4-inch outside diameter steel tubing, the upright brace in center is made of 1/2-inch tubing in 10 and 12 foot lengths, and two upright braces in 14 foot lengths. This prevents gate from spreading and makes them very rigid. In the construction of the frames of this gate, high carbon steel tubing is used.

We also place a No. 8 Galvanized Wire diagonally across the frame to strengthen it. Complete, with hinges, latches and all necessary fittings to hang on wood posts. Hinges are adjustable and can be placed at any point on the gate, so that you can adjust them up or down, thereby allowing your gate to swing freely above ice or snow. Frame is covered with our Harris Square Mesh Fence as shown on preceding pages. All wires are heavily galvanized so as to prevent rust or corrosion.

Number	Width feet	Height inches	Price, each
2-A-200	10	54	\$ 6.50
2-A-201	12	54	8.25
2-A-202	14	54	8.75
2-A-203	16	54	10.00

## Extra-Strong Farm Gates

Our Atlas Farm Gate is one of the strongest gates on the market. The frame is made of best quality wrought iron pipe, 1 1/4 inches outside diameter, and the two upright braces are 1 1/4 inches. The frame is braced diagonally with a 3/4-inch steel rod, which prevents sagging. The No. 9 galvanized wire is closely woven to turn pigs and chickens. The frame and braces are painted black; fitted with a strong set of hinges and an automatic latch. Prices are F. O. B. factory in Central Indiana.

No.	Width	Height	Weight	Price
2-A-213	10 feet	54 inches	105 pounds	\$ 8.80
2-A-214	12 feet	54 inches	120 pounds	10.50
2-A-215	14 feet	54 inches	135 pounds	11.00
2-A-216	16 feet	54 inches	150 pounds	11.90



# Harris Woven Wire Lawn Fencing

## MADE OF HEAVY GALVANIZED WIRE

Harris Woven Wire Fencing is made of the best grade of galvanized wire. The design is plain and substantial as shown in the cut above. This is a fence that will be suitable in any surroundings, harmonizing well on any lawn. Can be used with either steel or wood posts.

Uprights are made of No. 9 heavy galvanized wire, crimped the entire length. Cabled line wires are of heavy galvanized wire, with stays between the uprights 2½ inches. Cables are spaced 6 inches apart, except the top wire, which is spaced 2½ inches. We can furnish same to you in the following sizes:

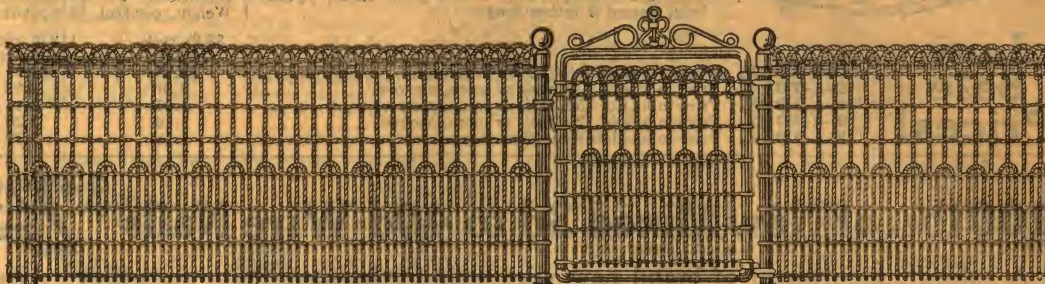
No. 2-A-428.	24 inches high.	Per lin. ft.	7c
No. 2-A-429.	30 inches high.	Per lin. ft.	8c
No. 2-A-430.	36 inches high.	Per lin. ft.	9c
No. 2-A-431.	42 inches high.	Per lin. ft.	10c
No. 2-A-432.	48 inches high.	Per lin. ft.	11c

The above fencing can be furnished in any continuous length up to 300 feet. We can furnish gates for the above, same as listed under style A-100.



### Harris Ornamental Lawn Fencing

This style, A-600, differs from our 429 in that we weave in an additional picket at the bottom, adding to the beauty of the design and also giving additional strength to the fence. It will stand use and abuse and the wear of time to the limit of reasonable expectation. The space at the bottom closes to 1½ inches.



Uprights, No. 9 galvanized wire, crimped the entire length; cables, No. 12½, heavily galvanized with space between the uprights at the bottom of 1½ ins.; at the top, 2½ ins. The cables are spaced 6 ins. apart, except the top space of 2½ ins.

Height of fabric, inches.....	24	30	36	42	48	54	60
2-A-404. Price, per lineal foot.....	10c	11c	12c	14c	17c	20c	23c

### "Harris" Boulevard Complete Lawn Fence

We use our "Harris" Boulevard Lawn Fence for the filler in this beautiful Fence. The railing and posts are made of heavy Tubular Steel. The end, corner and gate posts measure 1½ inches in diameter. The Posts are fitted with beautiful cast iron bases at the bottom and are mounted on the top with beautiful white enameled ball-shaped ornaments. All fittings are highest grade malleable iron. Handsome 4-ply Braided wire is stretched above the top railing, adding a neat and artistic finish to the Fence. Average weight of Fence, 8½ pounds to the foot.



Lot No. 2-A-8001.	30 in. Fence, 2 in. fabric.	Per ft.	55c
Lot No. 2-A-8002.	36 in. Fence, 30 in. fabric.	Per ft.	60c
Lot No. 2-A-8003.	42 in. Fence, 36 in. fabric.	Per ft.	63c
Lot No. 2-A-8004.	48 in. Fence, 42 in. fabric.	Per ft.	67c
Lot No. 2-A-8005.	54 in. Fence, 48 in. fabric.	Per ft.	70c

Gates not included in Fence. See pages in this Catalogue for prices.

## ORNAMENTAL LAWN GATES

The frame is made of 1½-in., full weight, stiff, high-carbon steel tubing, nicely painted. The gate is filled with our "Harris" Ornamental Lawn Fence fabric. All gates furnished complete with heavy malleable iron hinges for wood and a strong automatic latch of improved pattern. These gates can be used for any purpose where a walk gate is required. In ordering gates, be particular to state kind of fittings desired—whether for wooden or steel posts. All gates are made to fit openings. By openings we mean total distance between posts. In ordering ornamental gates, specify dimensions in the following rotation: height of gate, width of opening. Note the following prices:

If wanted for iron posts, give diameter of posts and add \$1.50 to prices of gate.

### Single Gates—Up to and including 48 inches high

2-A-405.	3 ft. opening.....	\$3.00	2-A-411.	6 ft. opening.....	\$4.90
2-A-406.	3½ ft. opening.....	3.25	2-A-412.	7 ft. opening.....	5.10
2-A-407.	4 ft. opening.....	3.50	2-A-413.	8 ft. opening.....	6.25
2-A-409.	5 ft. opening.....	4.50	2-A-414.	10 ft. opening.....	7.50
			2-A-415.	12 ft. opening.....	8.75

### Double Gates—Up to and including 48 inches high

2-A-416.	8 ft. opening.....	\$7.25	2-A-419.	14 ft. opening.....	\$10.75
2-A-417.	10 ft. opening.....	8.75	2-A-420.	16 ft. opening.....	12.50
2-A-418.	12 ft. opening.....	9.75			

Above ornamental lawn fence weighs from 2 to 5 lbs. per lineal foot, depending upon height and style of fence. Gates size 3x3 ft. weigh about 20 lbs. each. Gates with 10 to 12 foot openings weigh from 60 to 100 lbs., depending upon height and style.



Style A-100



Style A-600



# U.S. Government Barbed Wire!



**Buy Now! Your Greatest Chance to Save**  
**Made in Leading Mills Under Government Supervision**

For a limited time only we will be able to offer highest grade barbed wire purchased at a price less than the actual cost of manufacture. Following our usual custom, we are now selling the entire remaining stock to our customers at the big money saving prices below.

Here is your chance to secure finest barbed wire made—the product of leading wire mills. Made under Government Inspection, so rigid that only the highest grade wire was accepted in this lot. Made of 12 gauge open hearth steel wire of highest quality, insuring extra strength. This extra strength gives long life to the wire; will outlast any ordinary barbed wire. Made in extra heavy weight, only with 4 point barbs, 3/8-inch long, spaced 3 inches apart.

This heavy high grade barbed wire is carefully coated with a special weather-resisting paint. This paint has undergone every possible test and was accepted by leading Chemists as the best paint for protection of wire possible to produce. Using this extra heavy wire, coated with this perfect paint protection, you are assured of longest possible service under the most severe conditions. Put up in reels containing 700 feet each. Weight, per reel, 58 pounds.

**Low  
Sale  
Prices!**

2-A-100X,	Price in carload lots (625 reels or more), per reel.....
2-A-101X,	Price in lots of 100 reels or more, per reel.....
2-A-102X,	Price in lots of 50 reels or more, per reel.....
2-A-103X,	Price in lots of 25 reels or more, per reel.....
2-A-104X,	Price in lots less than 25 reels, per reel.....

58 lb. reels.	112 lb. reels
700 ft.	1400 ft.
\$0.95	\$1.90
1.00	2.00
1.05	2.10
1.10	2.20
1.15	2.30

**Order  
Yours  
Now!**

## 100 lbs. of New Mixed 3d to 40d Wire Nails \$2<sup>25</sup>

A splendid assortment of brand new wire nails in the sizes that you use every day. Indispensable about the home, workshop and farm. The same quantities bought at retail would cost you double this price. They always come in handy. Don't forget to include this bargain with your order.

2-A-4055. 100-lb. keg of mixed nails, 3d to 40d, price.....\$2.25



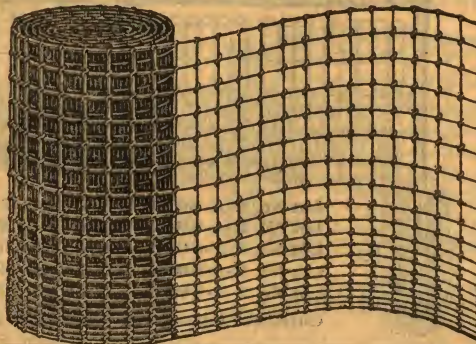
### Crimped Wire for Reinforcing

**\$4<sup>25</sup>** Per 100 Lbs.

2-A-986. Crimped wire for Reinforcing. Strengthen your concrete work by using crimped wire for reinforcing. We can furnish this material made up of No. 9 gauge wire, crimped, and cut to any length you wish up to 20 feet. Wire is made of open hearth steel, heavily galvanized. Specify length of wire required when ordering. Put up in 100-lb. bundles.

Per 100 lbs.....\$4.25

### Poultry Fence Snap!!



We have just purchased a large quantity of slightly defective poultry fencing, defects consisting principally of an occasional loose wire, or some minor defect in weaving, which prevent us from offering it as perfect fencing. The defects will not in any way interfere with the usefulness or service of the fencing.

The very best fencing for general poultry purposes made in square mesh style; easily stretched tight and trim without bagging. Made of best steel wire, heavily galvanized, top and bottom wires No. 15 gauge; stay and strand wires No. 17 gauge. Upright wires or stays spaced 4 inches apart. Line wires spaced from bottom to top on 36 inch fencing as follows:

1 in., 1 in., 1 in., 1 in., 1 1/2 in., 1 1/2 in., 1 1/2 in., 1 1/2 in., 2 in., 2 1/2 in., 2 1/2 in., 3 1/2 in., 4 in., 4 in., 4 in., and 4 in.

Higher fences have sufficient additional strand wires spaced 4 inches apart to make their height. Put up in ten rod rolls only.

Number	Height	Number of bars	Price per rod
2-A-602	48 in.	20	\$0.36
2-A-603	60 in.	23	.40
2-A-604	72 in.	26	.50

### Pointed Drive Metallic Painted Posts

Harris Pointed Metallic Painted Tubular Posts fitted with adjustable clamps, made of 2-inch outside diameter charcoal iron tubing. Low price for this sale only.

Number	Over-all In.	Cls.	Wt. Lbs.	Pr. Ea.
2-A-317	60	2	11 1/2	44c
2-A-318	72	3	12 1/2	48c
2-A-319	77	4	13 1/2	52c
2-A-320	84	5	14 1/2	56c



### Harris Galvanized Barbed Wire

"Harris" special barbed wire, 80 rods to the reel made of No. 14 gauge heavy galvanized open hearth steel iron, two point barbs, put up in 80 rod reels, sold by the spool.

2-A-11. 2 point galvanized barbed wire, barbs 5 inches apart. Per reel.....\$2.95

2-A-13. 2 point galvanized barbed wire, barbs 3 inches apart. Per reel.....\$3.15

### Glidden Pattern Barbed Wire

Glidden Pattern barbed wire, made of No. 12 gauge open hearth steel, heavily galvanized, put up in 80 rod reels, sold by the spool. Can be furnished in either hog or cattle wire, two or four point.

2-A-30. 2 point galv. barbed wire, barbs 5 inches apart. Per reel.....\$4.00

2-A-31. 2 point galv. barbed wire, barbs 3 inches apart. Per reel.....\$4.15

2-A-32. 4 point galv. barbed wire, barbs 5 inches apart. Per reel.....\$4.10

2-A-33. 4 point galv. barbed wire, barbs 3 inches apart. Per reel.....\$4.50

### Galvanized Wire

Heavily Galvanized



**\$3<sup>00</sup>**

Per 100 lbs.

2-A-984. New galvanized wire, put up 100 lbs. in a bundle, consisting of shorts or mill ends, accumulated from regular galvanized fencing wire, varies in length from 50 ft. to 200 ft. and is sorted one gauge to the bundle.

No. 8 gauge, per 100 lbs.....	\$3.00
No. 9 gauge, per 100 lbs.....	3.00
No. 10 gauge, per 100 lbs.....	3.05
No. 11 gauge, per 100 lbs.....	3.10
No. 12 gauge, per 100 lbs.....	3.15
No. 13 gauge, per 100 lbs.....	3.25
No. 14 gauge, per 100 lbs.....	3.35



# Wire Products and Accessories



**\$6.00**

Simple  
Durable  
and  
Econom-  
ical



## PERFECTION Wire Stretcher

Shows the single Fence Stretcher and manner of attaching to posts and fence. The wonderful power, simplicity of action and ease of operation of this stretcher has made it very popular. They lock automatically at every half turn of the lever and never slip. The metal parts are of the highest quality steel and malleable iron and the clamps of selected hard wood. The chain is long enough for a pull of nine feet.

The double stretcher is identically the same as the single one with the exception that it has two chains and two stretchers on the one set of wood clamps.

No. 2-A-210. "Perfection" stretcher, single weight, 75 lbs. .... **\$6.00**

No. 2-A-211. "Perfection" stretcher, double weight, 125 lbs. .... **\$11.90**

## Three Tools in One!

**75c**



This is a wire splicer, staple puller, and hammer combined, not to mention all the other uses around the house and barn and one of the handiest tools you can have about farm. It is not only the best, but the only combination tool of its kind. Made of high grade malleable iron, and is very strong and durable.

Perfection  
Wire Splicer  
Staple Puller  
and Hammer

**75c**

## Perfection Wire Grip



A very handy tool for tightening loose wire. Can be attached to a bar and strong leverage secured. Fitted with swivel.

No. 2-A-53. Price each. **33c**

## Brace Wire



The Brace Wire we offer is of No. 9 gauge and is drawn from Soft Open Hearth Steel. It twists nicely. In each coil there is about enough wire for three good braces.

No. 2-A-203. Price per coil of 10 pounds. .... **40c**



## Tackle Block Wire Stretcher

Fitted with an automatic lock or clasp. Disengaged by a slight movement of the hand rope. Can also be used as a safety hoist, with which any man can lift 500 pounds. Furnished complete with 16 1/2 feet of 3/4-inch pure manila rope.

No. 2-A-56. Price, each. .... **\$1.15**

## Ratchet Steel Wire Stretcher With Rod



No. 2-A-55. This is a straight line stretcher, made of steel and malleable iron. Extra strong and easily operated. Furnished complete with 2 feet of steel chain. Price, each. .... **75c**

## Barbed Wire Stretcher

The most convenient and easily operated for stretching short runs of either woven or barbed wire fencing. When stretching woven or poultry wire with 1/2-inch iron pipe 5 foot in length, fasten ends about pipe as shown in cut. For stretching long runs of heavy woven wire fencing the "Harris" Stretcher is highly recommended.



Lot No. 2-A-60. Price. .... **\$2 80**

## SCREEN WIRE!



2-A-49. Our Galvanized or Pearl wire is made by an entirely new process and is better rust-resistant than the ordinary bright wire, as it possesses remarkable rust-defying qualities. It is not affected by moisture or salt sea air and if given proper care will last years and years.

Our Galvanized Screen Wire is put up in rolls of 25, 50 and 100 running or lineal feet, 12 wires to the inch each way.

Width Inches	Wt., per 100 lin. ft.	25 ft. Rolls	50 ft. Rolls	100 ft. Rolls
24	19	\$1.65	\$3.30	\$6.00
26	21	1.80	3.58	6.50
28	23	1.95	3.85	7.00
30	24	2.10	4.13	7.50
32	24	2.20	4.40	8.00
34	32	2.35	4.68	8.50
36	36	2.48	4.95	9.00
42	42	2.90	5.78	10.50
48	48	3.30	6.60	12.00

## STAPLES

Fence staples, made of No. 9 gauge, put up regularly 100 lbs. to the keg. There are 120 1-in. staples to a lb., 100 1 1/4-in. staples to a lb. Prices as follows in keg lots:

2-A-35. 1-inch long, per 100 lbs. .... **\$4.75**

1 1/4-in. long, per 100 lbs. **4.75**

Furnished in smaller quantities as follows:

10 lb. pkg. Each. .... **\$0.55**

20 lb. pkg. Each. .... **1.10**

50 lb. pkg. Each. .... **2.50**

## Poultry Netting Staples

Made of No. 14 gauge. There are 230 1-in. staples to a lb. No. 2-A-36. 1 in. long, in keg lots per 100 lbs. .... **\$7.35**

Furnished in smaller quantities as follows:

5 lb. pkg., each. .... **40c**

10 lb. pkg., each. .... **80c**

## WINDOW GUARDS!

2-A-4030. Guard against burglars and protect your windows. Our diamond mesh, crimped wire window guards, with round iron rod frame, we quote as follows: These prices apply to guards containing 8 sq. ft. or more. Write for prices on smaller guards.



Size Mesh Inches	Gauge of Wire	Diameter Frame Inches	Price Per Sq. Ft.
1 1/4	14	3/4	33c
1 1/4	14	3/4	31c
1 1/4	12	3/4	33c
1 1/4	14	3/4	27c
1 1/4	12	3/4	29c
1 1/4	10	3/4	30c
1 1/4	8	3/4	34c
1 1/4	12	3/4	33c
1 1/4	10	3/4	31c
1 1/4	12	3/4	27c
2	10	3/4	28c
2	8	3/4	34c
2 1/4	10	3/4	27c
2 1/4	8	3/4	34c

## Black Screen Wire

2-A-48. Painted Screen Wire, Put up in rolls of 50 and 100 running or lineal feet and measures each way 12 wires to the inch.

Width, inches	Weight, per 100 lineal feet	50 ft. rolls	100 ft. rolls
24	19	\$2.70	\$5.40
26	21	2.95	5.85
28	23	3.15	6.30
30	24	3.40	6.75
32	32	3.60	7.20
34	34	3.80	7.65
36	36	4.05	8.10
42	42	4.75	9.45
48	48	5.40	10.80

## Galvanized Wire Cloth

This cloth is generally known as hardware cloth, used for window guards, cages, fruit evaporators, screens and places where a heavy screen is needed. Furnished in the following sizes:



Number	Width inches	Gauge	Mesh to Inch	Per 100 Lineal ft.	Per Lineal ft.
2-A-50	24	23	4 mesh to 1 in.	\$15.00	17c
2-A-51	30	23	4 mesh to 1 in.	18.75	20c
2-A-52	36	23	4 mesh to 1 in.	22.50	24c
2-A-53	24	19	2 mesh to 1 in.	13.50	15c
2-A-54	30	19	2 mesh to 1 in.	16.88	19c
2-A-55	36	19	2 mesh to 1 in.	20.25	22c





## TRIBLOC Chain Hoist

**2-A-11618.** These splendid hoists are of strong compact construction. Designed for all classes of work. Steel working parts and patented loop hand-chain guide which protects the hoist and controls the hand chain at all speeds of travel. Hand chain will not buckle in guide or over-ride flanges of the hand wheel. Fastest lifting hand hoist produced.

Cap. Tons	Wt. Lbs.	Lift Feet	Price, complete
1/2	60	8	\$ 52.00
1	70	8	67.00
1 1/2	80	8	90.00
2	90	9	105.00
3	100	10	135.00
4	110	10	165.00
5	120	12	210.00
6	130	12	247.00
8	140	12	280.00
10	160	12	336.00



## Screw Chain Hoist

**2-A-11715.** These hoists are powerful and compact. They are extensively used for all classes of work. They are much easier to operate than the Differential Hoist, inasmuch as they are geared up. The gearing is enclosed in oil tight housing and the working parts are thus always immersed in oil, insuring smooth action and thorough lubrication.

Cap. Tons	Wt. Lbs.	Lift Feet	Price complete
1/2	50	8	\$ 37.00
1	60	8	45.00
1 1/2	76	8	60.00
2	125	9	75.00
3	190	10	112.00
4	210	10	142.00

The Fastest Chain Hoist Made  
Special Prices on Sizes up to 10 Tons



## Weston Differential Chain Hoist

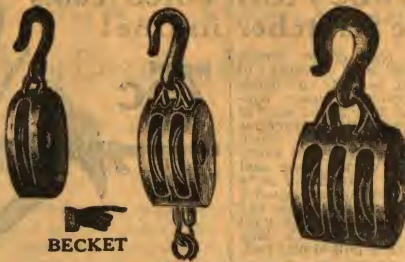
**2-A-11783.** Tested to full weight before shipment. This is the simplest and cheapest type of chain hoist, and has the fewest parts of any hoist made. The chains are specially made, are finely finished and carefully hardened to prevent wear. This hoist will hold a load at any point. Each hoist is guaranteed fully in every particular.

Cap. Tons	Will Lift feet	Price, comp.
1/2	7	\$15.00
1	8	21.00
1 1/2	8 1/2	27.00
2	9	33.00
3	10	45.00

Four feet of extra Chain required for every foot of extra lift.

# Block and Tackle

Single Double Triple



BECKET

### Wood Shell Tackle Blocks

Manila Rope. These blocks are of the best possible construction. Have special chilled steel pins and iron sheaves with edges properly rounded to prevent the rope from fraying. We can furnish these blocks either with or without becket. When used in pairs, one should be plain and the other with becket.

**2-A-11701.** Without becket. **2-A-11702.** With becket.

Diam. Rope, Inches	Length of Shell, Inches	Single Pulley	Double Pulley	Triple Pulley
3/4	3	\$0.48	\$ .90	\$1.20
1	4	.60	1.08	1.47
1 1/4	5	.62	1.20	1.50
1 1/2	6	.75	1.35	1.95
1 3/4	7	.78	1.62	2.35
2	8	1.13	1.95	2.88
2 1/4	10	1.88	3.00	4.20
2 1/2	12	3.00	5.05	7.20
3	14	4.73	7.10	10.00
3 1/2	15	5.40	8.75	12.15

Single Double Triple



### Steel Tackle Blocks

Are made with forged steel hooks, straps, pins and shells. For manila rope. **2-A-11704.** Without becket. **2-A-11705.** With becket.

Diam. Rope, Inches	Length of Shell, Inches	Single Pulley	Double Pulley	Triple Pulley
3/4	3	\$0.48	\$ .90	\$1.20
1	4	.60	1.08	1.47
1 1/4	5	.62	1.20	1.50
1 1/2	6	.75	1.35	1.95
1 3/4	7	.78	1.62	2.35
2	8	1.13	1.95	2.88
2 1/4	10	1.88	3.00	4.20
2 1/2	12	3.00	5.05	7.20

### Steel Snatch Blocks



### STEEL SNATCH BLOCKS

2-A-11709.	Size of Sheave	Diam. Inches	Lgth. Ins.	Price Each
3 x 1 1/4	3/4	6	4.40	
3 1/2 x 1 1/4	1	7	5.25	
4 x 1 1/4	1 1/4	8	6.25	
5 x 1 1/4	1 1/2	9	7.50	
6 x 1 1/4	1 3/4	10	9.25	
8 x 1 1/4	2	12	11.00	
10 x 1 1/4	2 1/4	14	14.50	
12 x 1 1/4	2 1/2	16	19.00	

### STANDARD WOOD SHELL IRON STRAPPED SNATCH BLOCKS

2-A-11707.	Size of Sheave	Diam. Inches	Lgth. Ins.	Price Each
3 x 1 1/4	3/4	6	4.30	
3 1/2 x 1 1/4	1	7	5.10	
4 x 1 1/4	1 1/4	8	6.40	
5 x 1 1/4	1 1/2	9	7.50	
6 x 1 1/4	1 3/4	10	9.75	
8 x 1 1/4	2	12	12.75	

## "I" Beam Trolley



A simple and practical "I" Beam Trolley with steel side plates, anti-friction bearings adjustable to three sizes of "I" Beams.

Lot No.	Cap. Tons	Size of I-Beam	Wt. Lbs.	Price, Each
2-A-11559	1/2	5-6-7	25	\$18.90
2-A-11560	1	6-7-8	40	21.60
2-A-11561	1 1/2	7-8-9	80	25.65
2-A-11562	2	8-9-10	120	29.70
2-A-11563	3	9-10-12	135	36.45
2-A-11564	4	10-12-15	140	44.55
2-A-11565	5	12-15-18	310	58.00

## Safety Lifts

These Burr Steel Lifts are thoroughly practical and are much less expensive than the chain hoists.

**2-A-11717.** Size No. 3, for 3/4-inch rope. One man can hoist 300 lbs. Double lower block, weight, 4 1/2 lbs. Capacity, 800 lbs. Price.....\$1.70

**2-A-11719.** For 3/4-inch rope. One man can hoist 350 lbs. Double lower block, weight, 6 1/2 lbs. Capacity, 1,500 lbs. Price.....\$3.15

**2-A-11721.** For 3/4-inch rope. One man can hoist 400 lbs. Double lower block, weight, 11 lbs. Capacity, 2,000 lbs. Price.....\$4.00

**2-A-11723.** For 3/4-inch rope. One man can hoist 450 lbs. Double lower block, weight, 17 lbs. Capacity, 2,500 lbs. Price.....\$4.85

**2-A-11725.** For 3/4-inch rope. One man can hoist 600 lbs. Triple lower block, weight, 10 lbs. Capacity, 3,000 lbs. Price.....\$5.70

**2-A-11727.** For 3/4-inch rope. One man can hoist 700 lbs. Triple lower block, weight, 20 lbs. Capacity, 3,500 lbs. Price.....\$6.85

**2-A-11729.** For 3/4-inch steel rope. One man can hoist 850 lbs. Triple lower block, weight, 28 lbs. Capacity, 5,000 lbs. Price.....\$7.95

## Wire Rope Blocks

**2-A-11711.** These blocks are specially designed to be used in connection with wire hoisting rope, having large sheaves. You cannot use the wood and iron shell manila rope tackle blocks in connection with the wire rope owing to the fact that the sheaves are too small to permit the wire rope running freely over them.

Dia. of Shv.	For Rope Ins.	Single Price Each	Double Price Each	Triple Price Each
10	3/4 & less	\$10.00	\$15.00	\$20.00
14	3/4	14.00	19.00	26.00
16	3/4	16.00	22.00	30.00

## Turnbuckles

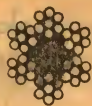


These Turnbuckles are considered the best on the market. Are made of wrought iron, painted black. We have them in stock and can furnish promptly.

Lot No.	Diam. of thread	Lgth. of thread	Price Each Black	Price Each Galv.
2-A-11547	3/8	3 1/2	\$0.45	\$0.57
2-A-11548	1/2	4	.48	.60
2-A-11549	3/4	4 1/2	.50	.65
2-A-11550	7/8	4 1/2	.72	.90
2-A-11551	1	5 1/2	.85	1.10
2-A-11552	1 1/8	6	.95	1.20
2-A-11553	1 1/4	9	1.40	1.75
2-A-11554	1 1/2	9	1.90	2.40
2-A-11555	1 3/4	12	3.25	4.05
2-A-11556	2	12	4.00	5.00



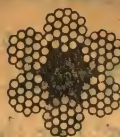
# Steel Cable—Jacks



## Swedish Transmission or Haulage Rope

**2-A-11605.** Composed of six strands, hemp center, each having 7 wires. This rope is used principally for transmission of power over large sheaves or drums. This rope is not flexible enough to be used over small sheaves or drums. Note minimum diameter of drum or sheave in table below. Subject to quantity on hand.

Diameter Inches	Weight per 100 ft. in lbs.	Approx. break. strain in Tons of 2,000 lbs.	Min. diam. of drum or sheaves in feet	Price per ft.
$\frac{3}{8}$	22	4.8	$2\frac{1}{4}$	\$0.04
$\frac{1}{2}$	39	8.4	$3\frac{1}{2}$	.06
$\frac{5}{8}$	62	13.2	$4\frac{1}{2}$	.09
$\frac{3}{4}$	89	18.6	6	.13
$\frac{7}{8}$	1.20	24.	7	.17
1	1.58	32.	8	.21



## Standard Wire Hoisting Rope

Made up of six strands, 19 wires to the strand, laid around a hemp center. **SWEDISH IRON ROPE.** Is used for hay presses, hoisting and all general purposes.

**CRUCIBLE STEEL ROPE.** Is much stronger and is used in mines, on derricks and for any kind of hoisting work where a strong rope is required.

2-A-11601. Swedish Iron Rope				2-A-11603. Crucible Steel Wire Rope			
Diam. Inches	Weight per ft. in lbs.	Approx. breaking strain in tons of 2,000 lbs.	Price per ft.	Diam. Inches	Weight per ft. in lbs.	Approx. breaking strain in tons of 2,000 lbs.	Price per ft.
$\frac{3}{8}$	0.10	1.10	\$0.06	$\frac{3}{8}$	0.10	2.2	\$0.06 $\frac{1}{2}$
$\frac{1}{2}$	0.23	2.4	.06 $\frac{1}{2}$	$\frac{1}{2}$	0.22	4.8	.07
$\frac{5}{8}$	0.39	3.9	.08	$\frac{5}{8}$	0.39	8.4	.08
$\frac{3}{4}$	0.62	6.	.11	$\frac{3}{4}$	0.62	12.5	.10
$\frac{7}{8}$	0.89	8.5	.14	$\frac{7}{8}$	0.89	17.5	.14
1	1.20	11.8	.18	1	1.20	23.	.18
$1\frac{1}{8}$	1.58	14.5	.23	$1\frac{1}{8}$	1.58	30.	.23
$1\frac{1}{2}$	2.00	18.6	.30	$1\frac{1}{2}$	2.	38.	.28

## New Galvanized Wire Strand



**2-A-11611.** This strand is composed of 7 wires, twisted into a single strand. Is used for guys on smoke stacks, telegraph and telephone poles and many other purposes.

Diam. Inches	Approx. Strength in lbs.	Weight per 100 ft. lbs.	Price per 100 ft.
$\frac{3}{8}$	2300	13	\$1.60
$\frac{1}{2}$	5000	30	3.20
$\frac{5}{8}$	8500	52	5.00

## USED GALVANIZED WIRE STRAND

$\frac{3}{8}$ -in., approx. diam. Price, per 100 ft. . . . **\$1.50**  
 $\frac{1}{2}$ -in., approx. diam. Price, per 100 ft. . . . **2.50**

## Used Wire Rope For Hoisting

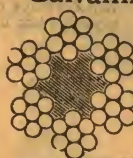
Nineteen Wires to the Strand. Six Strands. Laid Around Hemp Center.



**2-A-11525.** This rope is particularly adapted for service in mines, for logging on elevators, derricks, hay presses and hoists of all kinds.

Diam. Inches	Weight per ft. in pounds	Price, per ft. selected second hand rope
$\frac{1}{2}$	0.39	4c
$\frac{5}{8}$	0.62	6c
$\frac{3}{4}$	0.89	9c
$\frac{7}{8}$	1.20	12c
1	1.58	16c
$1\frac{1}{8}$	2.45	20c

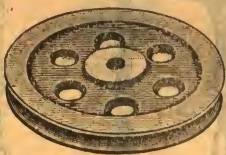
## Galvanized Iron Wire Rope



**2-A-11612.** For derrick guys, etc. Not suitable to run over drums or sheaves. Composed of 6 strands and hemp center, 7 wires to the strand.

Diam. Inches	Weight per ft.	Approx. breaking strain in tons of 2,000 lbs.	Price per ft.
$\frac{3}{8}$	0.20	1.8	\$0.05
$\frac{1}{2}$	0.36	3.2	.07
$\frac{5}{8}$	0.64	5.8	.09
$\frac{3}{4}$	0.81	7.3	.11
$\frac{7}{8}$	1.21	11.	.15
1	1.44	13.	.17

## Iron Sheaves for Wire Rope



**2-A-8999.** These sheaves as priced below are to run loose on the shaft. We cannot furnish them bored for larger sized shaft than specified, nor can they be fitted with set screws or key seated.

Diam. Sheave Inches	Length Through Hub Inches	Size of Hole for Shaft Inches	For Diam. Wire Rope Inches	Plain Bushed Price Each
5	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{8}$	\$0.70
6	1	$\frac{5}{8}$	$\frac{5}{8}$	.75
6	$1\frac{1}{4}$	$\frac{5}{8}$	$\frac{1}{2}$	.75
8	$1\frac{1}{4}$	$\frac{5}{8}$	$\frac{1}{2}$	1.75
8	$1\frac{1}{2}$	$\frac{5}{8}$	$\frac{5}{8}$	1.75
10	$1\frac{1}{4}$	$\frac{3}{4}$	$\frac{1}{2}$	2.25
10	$1\frac{1}{2}$	1	$\frac{5}{8}$	2.65
12	$1\frac{1}{4}$	1	$\frac{1}{2}$	3.00
12	$1\frac{1}{2}$	1	$\frac{5}{8}$	3.00
14	$1\frac{1}{2}$	$1\frac{1}{8}$	$\frac{5}{8}$	4.25
14	2	$1\frac{1}{4}$	$\frac{7}{8}$	4.75
14	$1\frac{1}{2}$	$1\frac{1}{8}$	$\frac{3}{4}$	4.25

## Jack Screws

**4-A-11519.** The Bell Base of these Jack Screws is made of the toughest gray iron it is possible to obtain. The screws are wrought iron, lathe turned. Every jack is tested and its carrying capacity is fully guaranteed. Levers are not furnished with the Jacks.



Diam. of screw inches	Height of stand inches	Lifting over all inches	Capa. Tons.	Price Each
$1\frac{1}{4}$	8	$10\frac{1}{2}$	10	\$2.00
$1\frac{1}{4}$	12	$14\frac{1}{2}$	10	2.50
$1\frac{1}{4}$	8	$10\frac{1}{2}$	12	2.55
$1\frac{1}{4}$	10	$12\frac{1}{2}$	12	2.85
$1\frac{1}{4}$	12	$14\frac{1}{2}$	12	3.45
$1\frac{1}{4}$	10	13	16	3.75
$1\frac{1}{4}$	12	15	16	4.05
2	10	$13\frac{1}{2}$	20	4.50
2	12	$15\frac{1}{2}$	20	4.95
2	14	$17\frac{1}{2}$	20	5.55
2	16	$19\frac{1}{2}$	20	7.20
$2\frac{1}{4}$	14	18	28	8.75
$2\frac{1}{4}$	18	22	28	9.45
$2\frac{1}{4}$	20	24	28	8.80

## Ratchet Jacks



**4-A-11521.** Easily operated and can be used in close places. The stand of this Jack is made of tough gray iron and the screw is made of special steel with deep lathe cut thread.

Diameter of Screw, 2 in., height overall, 23 in., lifting capacity, 25 tons. Price, each . . . . . **\$5.95**

## House Raising Jacks



**4-A-11523.** Cast iron, brand new. These screws are cast with Seamless Threads, which makes them very smooth and uniform.

Diam. Screw inches	Ht. overall inches	Price, Each
3	18	\$3.65
3	20	3.90
3	24	4.50
3	30	5.30
3	36	6.15



## Wire Rope Clips

**2-A-11503.** These clips are used to make a loop of an eye at the end of a rope without splicing.

### Black

Size for rope diam. in.	Price each
$\frac{1}{4}$	\$0.05
$\frac{1}{2}$	.06
$\frac{3}{4}$	.08
$\frac{1}{2}$	.11
$\frac{3}{4}$	.16
$\frac{1}{2}$	.21
$\frac{3}{4}$	.24
1	.30
$1\frac{1}{4}$	.43
$1\frac{1}{2}$	.65
$1\frac{3}{4}$	.70

## Wire Rope Thimbles

### Galvanized



### No. 2-A-11511.

Size for rope diam. in.	Price each
$\frac{1}{4}$	\$0.03
$\frac{1}{2}$	.05
$\frac{3}{4}$	.06
$\frac{1}{2}$	.10
$\frac{3}{4}$	.12
$\frac{1}{2}$	.14
1	.17
$1\frac{1}{4}$	.30
$1\frac{1}{2}$	.33
$1\frac{3}{4}$	.42
$1\frac{1}{2}$	.50

## Patent Wire Rope Hooks and Couplings

These hooks are made of malleable iron and can be bent cold. The cheapest and simplest fastening for rope manufactured.

### 2-A-11513. Fig. 3. Hook.

Size, inches	Price, each
$\frac{1}{2}$	30c
$\frac{3}{4}$	35c
$\frac{1}{2}$	45c

### 2-A-11515. Fig. 5. Ring.

Size, inches	Price, each
$\frac{1}{2}$	30c
$\frac{3}{4}$	35c
$\frac{1}{2}$	45c

### 2-A-11517. Fig. 6. Coupling.

Size, ins.	Price, ea.
$\frac{1}{2}$	30c
$\frac{3}{4}$	35c
$\frac{1}{2}$	45c

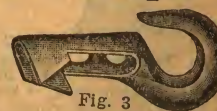


Fig. 3



Fig. 5

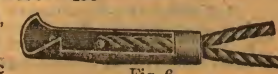


Fig. 6



# The "Colonial" Electric Fixture Set

**\$19<sup>75</sup>** For this handsome nine-piece "Colonial" electric fixture set complete with glassware and wiring.

*The "Colonial" design electric fixture set includes the fixtures shown on this page, also drop cords for the pantry and basement, listed at bottom of page.*

IF YOU NEED A COMPLETE SET of electric fixtures and do not wish to spend much money, we recommend the "Colonial" design electric fixtures. These fixtures are without a doubt the cheapest on the market, but we have not sacrificed workmanship or quality. They are finished and manufactured of the same quality metalware as the highest priced fixtures shown in this book. The patterns are not as elaborate as most of the other electric fixtures shown, but you will be highly pleased with the exceptional value we are offering.

**THE FINISH:** All the metal parts of these fixtures are made of solid brass except the chains and stem which are brass plated. The fixtures are furnished in brush brass and black finish. The bathroom fixture is nickel plated and the porch fixture is finished black. For Oxidized Copper or Silver Gray special finishes, add 20% to these prices.

**THE GLASSWARE** of the parlor, dining-room and bathroom fixtures are heavy pressed glass which closely resembles real cut-glass. The kitchen, porch and bedroom fixtures have pure white frosted glassware which throws a very soft light. The hall pendant has a frosted shade in a pretty embossed reed and ribbon design.



— KITCHEN —  
1-A-551. Combination gas and electric kitchen pendant, has a 4 1/2 in. embossed canopy length 36 in. to the bottom of shade, spread 8 in., 2 1/4 in. socket cover, key socket. If you do not need the gas combination, this fixture can be furnished for electric only at 55 cents cheaper. (If pull chain socket wanted, add 45c.)  
Price complete as shown..... **\$2.95**



— BATHROOM —  
1-A-552. Bathroom fixture, embossed wall plate 4 1/2 in. in diameter extends 6 in. from wall, nickel plated so as to match other bathroom fittings; artistic globe closely resembles cut-glassware, 2 1/4 in. brass shade holder. (Pull chain socket can be furnished at 45c extra.)  
Price complete as shown..... **\$1.50**



— BEDROOM —  
1-A-554. Bedroom pendant 36 in. long to bottom of glassware, has 4 1/2 in. embossed brass ceiling canopy. From the canopy extends a brass plated stem connecting with the brass plated chain, 2 1/4 in. shade holder, key socket, white crystal roughed inside globe. (If pull chain socket is wanted add 45c.)  
Price complete as shown..... **\$1.75**



— DINING ROOM —  
1-A-556. Two-light Shower which we have planned for the dining room. However, if you have a den or library, it can be used in either of these rooms. Has 14 in. round embossed spun brass ceiling plate from which hangs two brass plated chains, 2 1/4 in. brass shade holder. Length 36 in. over all. Furnished with embossed glassware which closely resembles genuine cut-glass, key sockets. Price complete as shown..... **\$4.50**



— PORCH —  
1-A-553. Porch fixture wired for one light with keyless socket, 3 1/4 in. brass pan finished a dead black. Weatherproof keyless socket to withstand weather. Furnished with 6 in. crystal roughed inside globe.  
Price complete as shown..... **\$1.25**



— HALL —  
1-A-557. Hall fixture wired for one light with key socket, length to the bottom of glassware 20 in., embossed brass canopy from which extends a brass plated stem connecting with the chain. 2 1/4 in. brass holder and frosted shade in a handsome reed and ribbon design. (If pull chain is wanted add 45c.)  
Price complete as shown..... **\$1.50**



— LIVING ROOM —  
1-A-555. Three-light living room Shower, round embossed spun brass ceiling pan 14 in. in diameter. From the ceiling pan hangs three brass plated chains, which hold three key sockets. 2 1/4 in. brass shade holder, furnished complete with pressed glassware which closely resembles high grade genuine cut-glass, an inexpensive but very good looking fixture. Price complete as shown..... **\$5.25**

— PANTRY DROP CORD —  
1-A-509. One-light pantry drop cord furnished complete with 3 ft. of standard twisted cord, brass canopy, key socket, lamp guard, which prevents lamps from getting broken. (Furnished with pull chain socket at an extra charge of 45c.) Price complete..... **\$1.15**

— BASEMENT DROP CORD —  
1-A-519. Basement drop cord furnished complete with porcelain rosette, porcelain key socket, lamp guard and 3 ft. of weather proof cord. (Can be furnished with pull chain socket at 45c.)  
Price complete..... **\$1.20**



# The "Sunshine" Electric Fixture Set

**\$27<sup>95</sup>**

Will buy this ten-piece "Sunshine" electric fixture set complete with glassware and wiring.

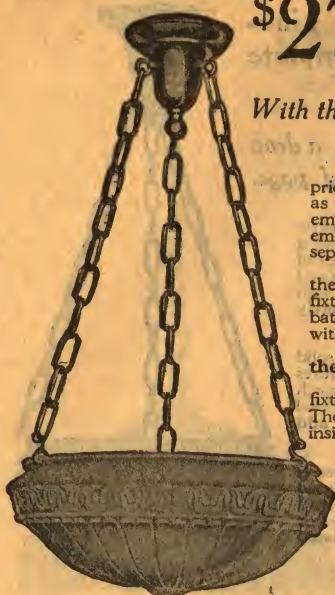
With the "Sunshine" electric fixture set we include a drop cord for the pantry and basement described below.

THE "SUNSHINE" electric fixtures are high grade and moderately priced, and although they are modest in design they are finished with just as much care as the higher priced fixtures. The spun brass canopies are embossed in a neat design which harmonizes nicely with the handsomely embossed glassware. For your convenience the fixtures are priced separately so that you can make your own selection if you so desire.

THE FINISH: The metalware of these fixtures is solid brass with the exception of the chains and stems which are brass plated. These fixtures are furnished in the popular brush, brass and black finish. The bathroom fixture is nickel plated and the porch fixture is dead black to withstand the weather.

For Oxidized Copper or Silver Gray special finishes add 20% to these prices.

THE GLASSWARE used with the "Sunshine" design electric fixtures is pure white in color, richly embossed in a neat panel design. The glassware is finished in a new satin finish outside and glazed inside, which throws a very soft light when the fixture is illuminated.



— LIVING ROOM —

1-A-490. Semi-indirect parlor fixture wired for one light with keyless socket, length 36 in. to bottom of glass bowl, spun brass canopy which is embossed in a panel design to harmonize with the pretty 15 in. bowl, brass plated chains and brass bowl hooks. Price complete as shown..... **\$4.45**



— PORCH —

1-A-553. Porch fixture wired for one light with keyless socket, 3 1/4 in. brass pan finished a dead black, and weatherproof socket to withstand weather. Furnished with 6 in. crystal, roughed inside globe. Price complete as shown..... **\$1.25**



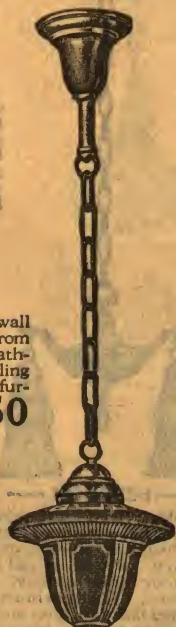
— DINING ROOM —

1-A-491. Handsome dining room fixture wired for four lights, length 36 in. to bottom of glassware, spread 18 in., has 6 in. embossed brass canopy harmonizing with embossed glassware. From the canopy stem extend three brass hooks on which hang the brass plated chains supporting a 16 in. bowl and three shades. Embossed brass socket covers, one keyless and three key sockets. Price complete as shown..... **\$6.95**



— BATHROOM —

1-A-552. Bathroom fixture embossed wall plate 4 1/2 in. in diameter extends 6 in. from wall, nickel plated so as to match other bathroom fittings, artistic globe closely resembling cut glassware. (Pull chain socket can be furnished at 45c extra.) Price complete as shown..... **\$1.50**



— HALL —

1-A-495. Hall pendant wired for one light with keyless socket, 36 in. to the bottom of handsomely designed glass urn, 4 1/2 in. spun brass canopy, brass plated chains. Has 6 in. spun brass holder which supports 8 in. crystal, roughed inside glass urn. Price complete as shown..... **\$5.25**



— UPPER HALL —

1-A-496. One-light bracket which we planned for the upper hall, 4 1/2 in. spun brass wall plate with fancy brass plated stem holding brass socket cover which is embossed in the same design, extends 6 in. from wall. This fixture can also be used as a side wall fixture for the living room or dining room. Key socket. (If pull chain is wanted add 45c extra.) Price complete as shown..... **\$1.95**



— BEDROOM —

1-A-554. Bedroom pendant, 36 in. long to bottom of glassware, has 4 1/2 in. embossed brass ceiling canopy. From the canopy extends a brass plated stem connecting with the brass plated chain, 2 1/4 in. shade holder, key socket, white crystal roughed inside globe. (If pull chain socket is wanted add 45c extra.) Price complete as shown..... **\$1.75**

— PANTRY DROP CORD —

1-A-509. One-light pantry drop cord furnished with 3 ft. of standard twisted cord, brass canopy, key socket, lamp guard, which prevents lamps from getting broken. (Furnished with pull chain socket at an extra charge of 45c) Price complete..... **\$1.15**

— BASEMENT DROP CORD —

1-A-519. Basement drop cord furnished complete with porcelain rosette, porcelain key socket, lamp guard and 3 ft. of weather proof cord. (Can be furnished with pull chain socket at 45c extra.) Price complete as shown..... **\$1.20**



# The "Blackstone" Electric Fixture Set

**\$46<sup>00</sup>** Will purchase the "Blackstone" nine-piece electric fixture set complete with glassware and wiring.

*This complete "Blackstone" electric fixture set includes a drop cord for the basement and pantry which are at bottom of page.*

THE PLEASING DESIGN OF THE "BLACKSTONE" electric fixtures attracts instant admiration. The embossed canopies have a fancy design which harmonizes very nicely with the oak leaf design of the glassware. The fixtures shown are the ordinary requirements of a home, but if you do not need all of the fixtures shown or if you wish to make your own selection, we have priced the fixtures separately for your convenience.

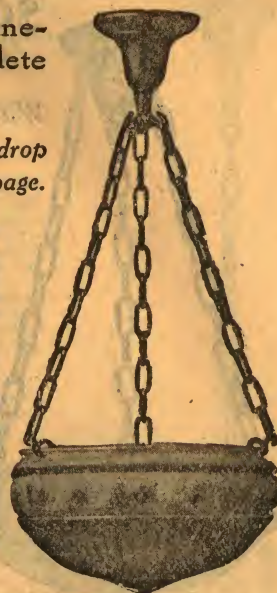
THE FINISH: All metalware of these fixtures is made of solid brass except the chains which are brass plated. We furnish fixtures in brush brass and black finish which is most serviceable. The porch fixture is furnished in dead black finish. Bathroom fixture is nickel plated. For oxidized copper or silver gray special finishes add 20% to these prices.

THE GLASSWARE of the "Blackstone" design electric fixtures is embossed in an oak leaf pattern. It is satin finished outside and glazed inside, thus reflecting a soft light. This glassware is now furnished in a new finish called the brown tone finish. It is delicately tinted or high-lighted in burnt brown color which cannot be fully appreciated until you have seen it illuminated in your home.



## — DINING ROOM —

**1-A-501.** Handsome dining room fixture wired for four lights, length 36 in. to bottom of glassware, spread 18 in., has 6 in. embossed brass canopy harmonizing with embossed glassware. From the canopy stem extend three brass hooks on which hang the brass plated chains supporting a 16 in. bowl and three shades. Embossed brass socket covers, one keyless and three key sockets. Price complete as shown. **\$14.25**



## — LIVING ROOM —

**1-A-500.** Semi-indirect living room fixture wired with keyless socket for one light, length to bottom of glass bowl 36 in., fancy embossed brass ceiling canopy 6 in. in diameter. From the canopy extends a brass rod on which hangs three brass plated chains supporting a 16 in. fancy bowl. Price complete as shown. **\$9.15**



## — BATHROOM —

**1-A-502.** One-light bracket for bathroom, extends 6 in. from wall, has 4 1/2 in. brass wall plate, brass plated stem, key socket, 2 1/4 in. shade holders, furnished in nickel plated finish so as to harmonize with the rest of the bathroom fittings. (If pull chain socket is wanted add 45c.) Price complete as shown. **\$1.95**



## — PORCH —

**1-A-503.** Porch fixture wired for one light with keyless socket, length to bottom of glassware, 8 in. Has spun brass ceiling ring, and 2 1/4 in. brass holder supporting a 2 1/2 x 8 in. shade. Furnished in dead black finish with weather proof socket. Price complete as shown. **\$2.30**



## — HALL —

**1-A-505.** Hall pendant wired for one light with keyless socket, length, 18 in. to bottom of fancy embossed urn, has 5 in. spun brass canopy, brass plated chain, 4-in. spun brass holder supporting a 4x8 in. fancy embossed urn. Price complete as shown. **\$4.55**



## — BEDROOM —

**1-A-504.** Two-light pendant which we have planned for the master bedroom, library or den, length 36 in. over all, spread 11 in. 5 in. fancy brass canopy, brass plated chain. The spun brass body has applied fancy castings and supports two cast arms which hold the shades. Brass socket covers and key sockets. Fancy tassel hangs from the body. Price complete as shown. **\$9.75**

## — KITCHEN OR BEDROOM —

**1-A-506.** One-light chain pendant which can be used in the kitchen or the bedroom if desired. The glassware is exactly the same as that used with all other fixtures in this set. Length 36 in., spun brass 5 in. canopy, brass plated chain, 2 1/4 in. brass socket cover. (If pull chain is wanted add 45c.) Price complete as shown. **\$2.10**



## — PANTRY DROP CORD —

**1-A-509.** One-light pantry drop cord furnished complete with 3 ft. of standard twisted cord, brass canopy, key socket, lamp guard, which prevents lamps from getting broken. (If pull chain socket is wanted add 45c.) Price complete. **\$1.15**

## — BASEMENT DROP CORD —

**1-A-519.** Basement drop cord furnished complete with porcelain roseette, porcelain key socket, lamp guard and 3 ft. of weather proof cord. (Can be furnished with pull chain socket at 45c extra.) Price complete. **\$1.20**



# The "Berkeley" Electric Fixture Set

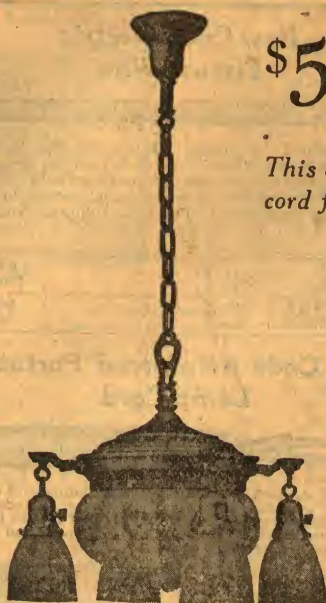
**\$55<sup>30</sup>** Will purchase the "Berkeley" nine-piece electric fixture set complete with glassware and wiring.

*This complete "Berkeley" electric fixture set includes a drop cord for the basement and pantry listed at bottom of page.*

THE BERKELEY DESIGN Electric Fixture Set presents one of the newest, most attractive combinations created this season. You will note the fixtures for all rooms harmonize perfectly. A splendid effect is gained by suspending the glassware from short artistically shaped arms. An unusually high grade combination offered complete, or priced separately for your convenience.

THE FINISH: The metal ware of all fixtures is made of solid brass, except the chains which are brass-plated. Regularly furnished in the ever-popular brush brass and black finish. If oxidized copper or silver grey finishes are wanted, add 20% to these prices.

THE GLASSWARE of the "Berkeley" Electric Fixture Set has been chosen with utmost care to match the elegant design of the fixture. It is hand decorated in a floral wreath design. Satin finish outside and glazed inside, reflecting a soft light. Small shades are fluted to match large bowl in dining room fixture.



— DINING ROOM —

1-A-680. Dining Room fixture wired for 5 lights combining both direct and indirect lighting. Length 36 inches to bottom of bowl. Spread, 17 inches. Bowl measures 12 inches in diameter; 4 small shades to match. Standard sockets. Price complete, as shown... **\$18.25**



— LIVING ROOM —

1-A-681. Artistic 5-light ball living room lamp electrolier. Length 36 inches to end of glassware, spread 15 inches. Heavy closed body. When frosted ball lights as illustrated are used, the fixture is shown with detachable wreath on the shade holders. This wreath can be removed and is fitted to hold lamp and shades if wanted. Key sockets. Price complete, as shown... **\$14.50**

BATH FIXTURE



1-A-685. Sanitary bathroom drop fixture. Furnished complete as shown, all white enameled with artistic marble white embossed design shade. Wired complete. Length, 36 inches. Key sockets. Price each **\$3.45**

— WALL BRACKETS —



1-A-684. One-light wall bracket extends 4 3/4 inches. 6 in. brass oval plate. Fancy gas arm. Key socket. Wreath detachable and fitted to hold shade if used in place of ball lamp. Price complete... **\$2.75**



1-A-683. One-light wall bracket. Extends 4 3/4 inches. Made with 6 inch brass oval plate with gas arm. Key socket. Attractive Roman wreath shade. Price complete... **\$2.80**



— HALL FIXTURE —

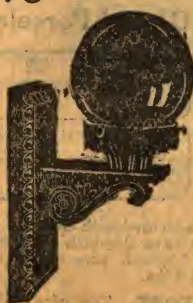
1-A-682. Two-light ball lamp electrolier. Length 36 inches to bottom of glassware. Spread 12 inches. Heavy closed body. Wreath on socket detachable with shade holder to accommodate glassware if used in place of white ball lamp. Price each... **\$7.75**

— PANTRY DROP CORD —

1-A-509. One-light pantry drop cord furnished complete with 3 ft. of standard twisted cord, brass canopy, key socket and lamp guard which prevents lamps from getting broken. (Furnished with pull chain socket at an extra charge of 45c.) Price complete... **\$1.55**

— PORCH —

1-A-516. Cast iron porch bracket with back size 4 1/4 x 7 1/4 in. Extends 6 in. Finished dead black. Weather-proof socket. Frosted glass ball, 3 1/4 x 7 in. Keyless socket. Price, complete **\$3.65**



— KITCHEN FIXTURE —

1-A-515. One-light kitchen fixture, length 36 in. over all, spun brass canopy, brass plated chain key socket, 2 1/4 in. holder. Furnished with 60 Watt white Luna shade which gives a clear light so necessary in the kitchen. (Pull chain socket can be furnished at an extra charge of 45c.) Price complete... **\$3.50**

— BASEMENT DROP CORD —

1-A-519. Basement drop cord furnished complete with porcelain rosette, porcelain key socket, lamp guard and 3 ft. of weather-proof cord. (Can be furnished with pull chain socket at 45c.) Price complete... **\$1.60**



# ELECTRIC WIRING MATERIAL

## New Code Rubber Covered Copper Wire, Single Braid



Used for open wiring on cleats, tubes or knobs and for holding and loom wirings. Each solid strand conductor copper wire insulated with rubber compound around which is single saturated cotton braid. Unbroken coils of 500 feet bear underwriter's inspection tag. Weights per 100 feet, about 3½ to 19 lbs., according to size.

Article Number	Size	100 Feet
4-A-3010	14	\$1.00
4-A-3011	12	1.40
4-A-3012	10	1.85
4-A-3013	8	2.50
4-A-3014	6	3.90
4-A-3015	4	5.25

## New Code Twisted Pair Cotton Lamp Cord



Twisted New Code Lamp cord consisting of 2 fine copper conductor strands twisted together. It is covered with fine quality yellow and green interwoven cotton. Made to be used for drop lights, extensions and general small work. Shipping weights per 100 feet, about 6½ to 13 lbs., according to size.

Article Number	Size	100 Feet
4-A-3023	18	\$1.75
4-A-3024	16	2.35
4-A-3025	14	3.30

## Weather Proof Copper Wire



Made for outside work, being constructed to stand weather and severe use. Conductor rubber covered wire. Consists of a solid copper wire conductor covered with three layers of waterproof saturated cotton braid insulating material. Shipping weights per 100 feet about 3 to 17 lbs., according to size.

Article Number	Size	100 Feet
4-A-3030	14	\$0.80
4-A-3031	12	1.00
4-A-3032	10	1.60
4-A-3033	8	2.00
4-A-3034	6	3.00
4-A-3035	4	4.25



## Conduit Locknuts

Article Number	Size	Ship. Wt.	Per 100
4-A-3042	½ in.	½ oz.	\$0.70
4-A-3043	¾ in.	¾ oz.	1.00
4-A-3044	1 in.	1 oz.	1.70

## Porcelain Tubes



Used where wire is drawn through partition or joists. Made of porcelain. Takes single braid rubber covered or waterproof wire. Inside diameter, ½ inch. Will take 14, 12 or 10 wire. Inside diameter, ¾ inch, will take 8, 6 or 4 wire. Length below is measurement from underhead to end.

Article Number	Lgth.	Inside Diam.	Per 100	Per 100
4-A-3050	3 in.	¾ in.	7 ½ lbs.	\$0.80
4-A-3051	4 in.	¾ in.	9 lbs.	.90
4-A-3052	6 in.	¾ in.	13 lbs.	1.40
4-A-3053	8 in.	¾ in.	15 ½ lbs.	2.70
4-A-3054	3 in.	¾ in.	11 lbs.	1.00
4-A-3055	4 in.	¾ in.	13 ½ lbs.	1.20
4-A-3056	6 in.	¾ in.	19 ½ lbs.	1.70

## New Code Parallel Silk Lamp Cord



Insulated lamp cord consisting of two parallel conductors covered with braided silk. Used for portable lamps and extension lights in homes. Large size only, No. 18. Shipping weight, per 100 feet, 5 lbs.

4-A-3020.	Per foot.....	4 ¼c
	Per 100 feet.....	\$4.25

## New Code Duplex Rubber Covered Wire



Used for wiring in metallic conduit. Consists of 2 solid conductors individually insulated with rubber compound over which is placed one layer of saturated cotton braid. Shipping weights per 100 feet, 6½ to 13 lbs., according to size.

4-A-3026	Size 14.	\$2.50
Price per 100 feet.....		
4-A-3027.	Size 12.	3.45
Price per 100 feet.....		
4-A-3028.	Size 10.	4.40
Price per 100 feet.....		

## (BX) Flexible Armored Cable



A decided improvement over knob and tube wiring. Consists of 2 or 3 solid copper conductors, rubber insulated, with 2 coverings of cotton braid, around which is placed armored flexible steel jacket. Approved by fire underwriters in all localities for use in finished buildings. More easily and quickly installed than iron conduit. Also used for electrical driven machinery where cables are exposed. Shipping weight per 100 feet, 44 to 60 lbs., according to size.

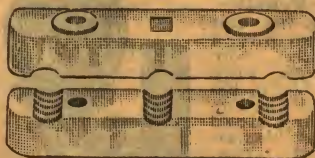
Article Number	No. of Conductors	Gauge B. & S.	Per Foot	100 Feet
4-A-3036	2	14	8c	\$ 7.00
4-A-3037	2	12	12c	11.00
4-A-3038	3	14	12c	11.00



## Conduit Bushings

Article Number	Size	Ship. Wt.	Per 100
4-A-3044	½ in.	1 oz.	\$1.70
4-A-3045	¾ in.	1 ½ oz.	2.30
4-A-3046	1 in.	2 oz.	4.00

## Glazed Porcelain Cleats



To be used with either 14, 12 or 10 wire. 2 wire cleats have 2 ½-inch wire centers; 3 wire cleats have 1 ½-inch wire centers. Weight per dozen, about 3 lbs.

4-A-3057.	Two wire.	Per 100.....	\$2.75
4-A-3058.	Three wire.	Per 100.....	2.75

## New Code Electric Fixture Wire



Designed for wiring electric fixtures, lamps, brackets, chandeliers and short wiring circuits. Single solid copper conductor insulated with rubber compound over which is saturated cotton braid. Shipping weights per 100 feet as follows: No. 18, 3 ½ lbs.; No. 16, 4 ½ lbs.

Article Number	Size	100 Feet
4-A-3021	18	60c
4-A-3022	16	90c

## New Code Reinforced Portable Lamp Cord



Used for portable extension lights, lamps and electrically operated household equipment. Made to stand continuous hard wear. Made up of twisted lamp cord, over which is placed rubber compound and outside braid of mercerized cotton.

Article Number	Size	100 Feet
4-A-3027	18	\$2.50

## Rigid Iron Conduit



Designed to give greatest safety. Initial cost is more than knob and tube wiring, but is recommended if you want highest grade everlasting work. Specified for bringing wires to house from main line regardless of interior wiring. New, clean stock coated with black enamel. Resists weather, acid and alkali. Constructed for easy bending without injury to flexible enamel. 10 feet lengths only, threaded two ends with coupling on one end.

Article Number	Size	Ship. Wt. per 100 Ft.	Price Per 10 Foot Length
4-A-3039	½ in.	80	\$0.90
4-A-3040	¾ in.	100	1.20
4-A-3041	1 in.	150	2.10



## Conduit Straps

Article Number	For Pipe	Ship. Wt.	Per 100
4-A-3047	½ in.	½ oz.	40c
4-A-3048	¾ in.	¾ oz.	60c
4-A-3049	1 in.	1 oz.	70c

## Assembled Split Knobs



4-A-3060 Latest improved and assembled split knob consists of complete new code knob with nail ready to fasten in position. Simply insert wire and drive into place. Big time saver. Diameter, 1 ½ inch; takes 10, 12 or 14 wire. Shipping wt., per 100, 10 lbs.

Per 100.....	\$2.50
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## Round Porcelain Knobs



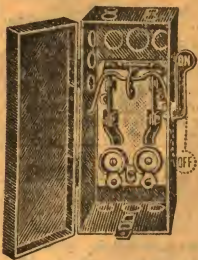
4-A-3061 Solid porcelain knob. New Code No. 5 ½. Height, 1 ½ in. Diameter, 1 ½ in. ¼ in. hole 5-16 in. groove. Shipping weight per 100, about 12 lbs.

Per 100.....	\$2.50
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# LATEST IMPROVED APPARATUS

## Outside Operated Entrance Switch



This switch is similar to our No. 4-A-3063 safety entrance switch, but is not made with the safety latch feature. Consists of a two pole, 125 volt, 30 ampere, porcelain base plug fuse, entrance switch. Size of steel box,  $8\frac{3}{4} \times 4\frac{1}{2} \times 3\frac{3}{4}$  ins. Box is fitted with lever on

the outside. It is so constructed that you can secure privacy and protect against theft of fuse plugs by using a padlock. It is made with the knock outs for  $\frac{1}{2}$  or  $\frac{3}{4}$  inch conduit, loom or B. X. cable. Convenient holes for mounting it with screws. Finished in black enamel. Shipping weight, about 6  $\frac{1}{4}$  lbs.

4-A-4012. Price, each, complete... **\$1.50**



Cannot be opened without current on.

cable connectors and porcelain bushings for use with loom. Black enamel finish. For mountings with screws.

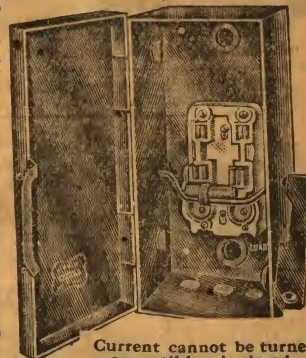
4-A-3063. Safety entrance switch with two-pole, 135 volt, 30 ampere plug fuse switch. Size of box,  $10 \times 5 \times 3\frac{1}{4}$  inches. Weight, about 6 lbs.

Each... **\$1.95**

4-A-3064. Safety entrance switch with 3 pole, 125 volt, 30 ampere plug fuse switch. Size,  $9\frac{1}{2} \times 7 \times 3\frac{1}{4}$  inches. Weight, about 9 lbs. Each... **\$2.75**

## Safety Entrance Switch

Inclosed type outside operated safety switch, consisting of porcelain base, 250 volt, 30 ampere block fuse switch set in steel box and equipped with outside lever turning current on or off. Eliminates danger of shock. Operated with safety in total darkness. Box cannot be opened until current is turned off and current cannot be turned on until box is closed. For privacy, padlock can be used and only those with keys will then have access to your electric control, preventing theft of fuse plugs. Improved switch brakes tacked cleanly. Plenty of wiring subjects knock outs for  $\frac{1}{2}$  or  $\frac{3}{4}$  inch conduit. Armored



Current cannot be turned on until box is closed.

## Slate Base Entrance Switches



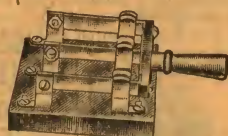
Used for main line cut-out switch where other wires enter houses or small plants. Two pole switch, size  $3\frac{1}{2} \times 6\frac{1}{2} \times 1\frac{1}{2}$  inches. 3 pole switch,  $5 \times 6\frac{1}{2} \times 1\frac{1}{2}$  inches. Capacity, 250 volts, 30 amperes.

4-A-3065. Slate base switch, 2 pole for cartridge fuse. **85c**

Weight, 2 lbs. Each... **85c**

4-A-3065 $\frac{1}{2}$ . 3 Pole Switch for cartridge fuses. Price Each... **\$1.25**

## Slate Base Cutout Switches



New Code switch with blades of fine copper. Capacity, 250 volts, 30 amperes.

4-A-3066. Single pole switch. Size over all,  $2 \times 6 \times 1\frac{1}{2}$  inches. Weight, 12 oz. Each... **30c**

4-A-3067. Two pole switch. Size over all,  $3\frac{1}{2} \times 4 \times 1\frac{1}{2}$  inches. Weight, 1 lb. Each... **50c**

4-A-3068. Three pole switch. Size of base,  $3\frac{1}{2} \times 5\frac{1}{2} \times 1\frac{1}{2}$  inches. Weight, 1  $\frac{1}{2}$  lbs. Each... **75c**

## Panel Box Switch



4-A-3069. Made for use in switch box where 2 circuits are to be controlled with separate switch. Capacity 125 volt, 30 amperes. Weight 24 oz. Base size  $3 \times 6 \times 1\frac{1}{2}$  in. Each... **55c**

## Cartridge Fuses

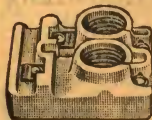
Base Cartridge fuses. Size, 2x8-16 in. Select size that will pass smallest amount of current for line with greatest load. Weight, each 1 ounce.

4-A-3078.....	3 amp.	Each
4-A-3079.....	6 amp.	
4-A-3080.....	10 amp.	
4-A-3081.....	12 amp.	
4-A-3082.....	15 amp.	8c
4-A-3083.....	20 amp.	
4-A-3084.....	25 amp.	
4-A-3085.....	30 amp.	

4-A-3086.....	40 amp.	Each
4-A-3087.....	50 amp.	
4-A-3088.....	60 amp.	

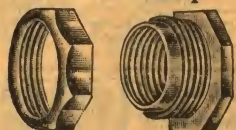
Each... **12c**

## Two Wire Single Branch



4-A-3074. 2 wire single branch plug cut out, 125 volts, 30 amperes, base size,  $3 \times 3 \times 1\frac{1}{2}$  inches. Weight, about 13 oz. Each... **22c**

## Conduit Box Couplings



4-A-3090. Made to be used with conduit box bodies with which they complete fitting seam to a union or conduit. Weight, 3 oz. Each... **10c**

## Covers for Deep Body Type



4-A-3093. Blank cover to be used when box is being used as pull or junction box only. Weight, 4 oz. Each... **10c**



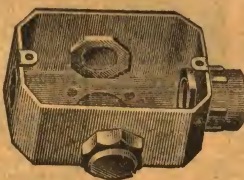
4-A-3094. Hole cover; a face plate when used with 2 button push switch. Weight, 4 oz. Each... **10c**

## Plug Fuses

Made for use on current up to 125 volts. Select smallest size to pass enough current for line carrying greatest load. Carefully selected fuses mean least possible trouble.

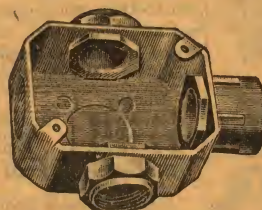
Carried in stock in the following sizes: 3-6-10-12-15-20-25 and 30. Price each... **6c**

## Conduit Box Bodies



### Deep Type

Designed to receive all standard flush switches, receptacles, etc., which are mounted in this body same as in any ordinary switch box. 5 knock outs on side and bottom. Size,  $3\frac{1}{2} \times 2\frac{1}{2} \times 1\frac{1}{2}$  ins. Supplied with screws for attaching covers. Weight, 8 oz. Each... **30c**



### Shallow Type

4-A-3092. Made for all general classes of work. Used for junction types and drop cord work. Takes all types of wiring devices (flush type, receptacle switches, etc.). 5 knock-outs in sides and bottom. Size,  $2\frac{1}{2} \times 3\frac{1}{2} \times 1\frac{1}{2}$  ins. Screws for attaching covers furnished. Weight, 8 oz. Each... **25c**

## Turn Button Snap Switches



4-A-3070. Single pole and 3-way switches, can be arranged to control light from two different points. 125 volt, 5 ampere, or 250 volt, 3 ampere. Weight, each about 4 ounces. Single pole, non-indicating. Each... **20c**

Single pole, indicating. Each... **25c**

125 volt, 3 ampere, or 250 volt, 1 ampere. Each... **50c**

4-A-3071. 3-way. Each... **50c**

125 volt, 10 ampere, or 250 volt, 5 ampere. Each... **50c**

4-A-3072. Single pole, non-indicating. Each... **50c**

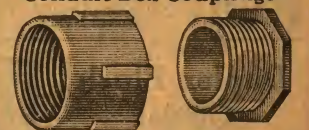
4-A-3073. Three-way. Each... **75c**

## Cleat Rosette Porcelain

4-A-3089. For installing drop lights in cleat wiring systems. Simply fasten base in position and insert wire. Cap turns on base. Weight, each, 8 oz. Each... **13c**

10 for... **\$1.10**

## Conduit Box Couplings



4-A-3091. To be used with  $\frac{3}{4}$  inch rigid iron conduit pipe and can be connected to conduit box body. Weight, 3 oz. Each... **15c**

## Covers for Shallow Type Body

4-A-3095. Raised cover with  $\frac{1}{2}$  inch knock out. Used where junction box only is wanted or for conduit extension. Weight, 3 oz. Each... **10c**

4-A-3096. Flat cover, with  $\frac{3}{4}$  inch push opening. Used for drop cords. Smooth edge preventing injury to cord. Each... **10c**



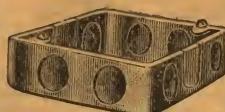
# Every Needed Item for House Wiring



## Shallow Ceiling Outlet Box

**4-A-3097.** Made without lugs. Used for fixture with bracket outlet. Knock outs for 1/2-inch conduit. Each.....10c

**4-A-3098.** As above except with 1/2-inch knock outs for metallic conduits. Each.....10c



## Square Outlet Box

Heavy steel outlet box with knock outs on side and bottom for 1/2-inch gas pipe. Legs and screws for covers. Can be used for junction box or switch box. 4 inches square, 1 1/2 inches deep. Weight, 7 ounces. Each.....15c

## Square Outlet Box Covers

**4-A-3099.** Open bracket cover. Has 1/4-inch crown. Each.....10c

**4-A-4000.** Closed raised cover, 1/2-inch insulating bushing. Each.....10c

**4-A-4001.** Flat closed cover. Each.....7c

**4-A-4002.** Shallow cover, 1/4 inch, for single standard push button switch or wall receptacle. Each.....10c

**4-A-4003.** Shallow cover, 1/4 inch, for two standard push button switches or wall receptacles. Each.....12c



## Raised Center Closed Cover

Weight, 4 ounces

**4-A-4004.** For 4-inch box. Each. 6c

**4-A-4005.** For 3 1/4-inch box. Each.....5c

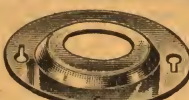


## Raised Closed Cover

Weight, 4 ounces

**4-A-4006.** For 4-inch box. Each. 7c

**4-A-4007.** For 3 1/4-inch box. Each.....5c

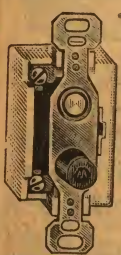


## Raised Open Cover

Weight, 4 ounces

**4-A-4008.** For 4-inch box. Each. 6c

**4-A-4009.** For 3 1/4-inch box. Each.....4c



## Push Button Flush Switch

Splendid push button flush switch. Standard shallow type. 1 1/2 inch deep, 1 1/2 inch wide. 1 Black, 1 Pearl center button. For 125 volts, 10 ampere current; 250 volt, 5 ampere current. Weight, 6 ounces.

**4-A-4010.** Single pole switch.....30c

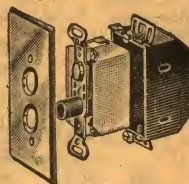
**4-A-4011.** Double pole switch. Each.....40c

**4-A-4013.** Three way switch. Each.....40c

**4-A-4014.** Four way switch.....\$1.50

## Wall Box Switch and Plate

**4-A-4015.** Complete box switch and plate combination, including single pole switch, single gang push button, flush switch plate and wall box for loom or knob and tube wiring. This outfit is the one which is used for house wiring, and we feature it at a reduced price for convenience in buying economy. It is assembled from our regular stock of high grade electric wiring apparatus. These items are necessary in the installation of a flush switch or when first class, dependable installation is wanted.



Price of wall box switch and plate as illustrated, complete.....60c

## Wall Box for Conduit or Armored Cable

**4-A-4016.** Any number of gangs can be made up instantly with this box. Perfect alignment regardless of size box is to be built. Can be used with any standard push switch. 1/2 inch knock outs for 1/2-inch loom. 2 1/2 inches deep. Weight, 11 ounces. Each.....15c



## Sectional Loom Switch Box

**4-A-4017.** Single gang box. Will receive any standard push switch. Knock out holes for 1/2-in. conduit or armored cable. By removing one side of box and joining two or more boxes together any number of gangs wanted can be made. Length, 3 inches; width, 2 inches; depth, 3 3/4 inches. Weight, 14 ounces. Each...18c



## Wall Box for Loom or Knob and Tube Wiring

**4-A-4018.** Designed to be used with flexible loom or knob and tube work. Depth, 2 1/4 inches. Diameter of outlet holes, 1/2 inch to take 1/2-inch loom. Will receive any standard push switch. Weight, 11 ounces.



## Flush Switch Face Plate Single Gang Push Button

**4-A-4022.** Four attractive finishes are offered for your choice in these heavy solid brass face plates. To cover single gang push button switch. Fits flush against the wall. State finish wanted. Weight, 2 ounces.

Number	Finish	Each
4-A-4023	Brushed Satin Brass	13c
4-A-4025	White Enamel	13c
4-A-4026	Oxidized Copper	13c
4-A-4027	Polished Nickel	13c



## Flush Switch Face Plate Two-Gang Push Button

Designed for use with two push button flush switch plates together in a two-gang box. Made of heavy solid brass in four attractive finishes. Weight, 2 ounces.

Number	Finish	Each
4-A-4028	Brushed Satin Brass	26c
4-A-4030	White Enamel	26c
4-A-4031	Oxidized Copper	26c
4-A-4032	Polished Nickel	26c

## Flush Switch Face Plate 3-Gang Push Button

Made of solid brass. To be used where three flush switches are placed together within a three-gang box. State finish wanted. Weight, 6 ounces.

Number	Finish	Each
4-A-4033	Brushed Satin Brass	39c
4-A-4035	Oxidized Copper	39c
4-A-4036	Polished Nickel	39c

## Duplex Flush Outlet

Made to receive the prongs of any standard attachment plug cap. Two connections can be made to this outlet. Fits in regular metal wall box. Complete with face plate. Weight, 12 ounces.



Number	Finish	Each
4-A-4037	Brushed Satin Brass	75c
4-A-4038	Oxidized Copper	75c
4-A-4039	Polished Nickel	75c

## Standard Flush Outlet

Used for attaching electric household appliances. Eliminates trouble of screwing plug into socket. Prongs of any standard attachment plug can be inserted in slots. Complete with face plate. Weight, 12 ounces.



Number	Finish	Each
4-A-4040	Brushed Satin Brass	55c
4-A-4041	Oxidized Copper	55c
4-A-4042	Polished Nickel	55c



## Brass Shell Key Socket

National electrical standard socket with key to turn current off and on. Fibre lights, 1/2 inch cap. Will receive any Edison base lamp. Weight, each 3 ounces.

**4-A-4047.** Brushed Brass finish.....25c

**4-A-4048.** Oxidized Copper finish or Polished Nickel.....40c



## Brass Shell Pull Socket

National Electric Code Standard Socket with 8-inch chain to control current. Brass shell fibre line, 1/2-inch cap. Weight, 3 ounces.

**4-A-4049.** Brush Satin Brass finish. Each.....45c

**4-A-4050.** Oxidized Copper finish.....60c

**4-A-4051.** Polished Nickel finish.....60c

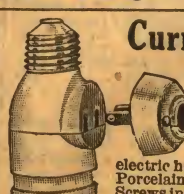


## Porcelain Socket with Pendant Cap

Made to be used on drop cords in damp places or basements. Weight, 6 ounces.

**4-A-4052.** Each.....30c

**4-A-4053.** As above, but keyless. Each.....25c



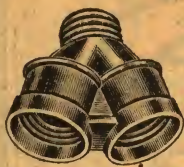
## Current Cap

A handy device made to accommodate light bulb and supply a connection for electric household device. Porcelain body and cap. Screws into any ordinary light socket. Either connections can be used alone or both can be used at same time.

**4-A-4054.** Price, each.....40c



# Priced Very Low for Big Economy



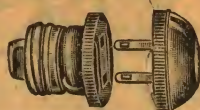
**Twin  
Light  
Plug**  
**80c**

**4-A-4055.** Made in one piece of special material which is not affected by moisture or heat and will not break if accidentally dropped. A small compact neat plug made to fit all Edison base sockets or receptacles. Price, each.... **80c**



**Plug Caps**  
**10c**

**4-A-4056.** Made of hard insulated composition with knife braided contact points to fit all standard receptacles and plugs. 10 amperes, 250 volts. Wires easily attached. Hole large enough to take in average electric fixture wire. Price, each..... **10c**



**Separable Attachment  
Plug**

**4-A-4057.** Made with hard composition insulated cap and fitted with base knife braided contacts. Edison screw base. Will fit any standard receptacle and plug. Will carry 660 Watts and 250 volts. Price, each..... **15c**

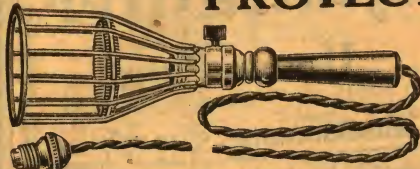


**Insulating  
Tape and  
Splicing  
Compound**

Used on all electric jobs for covering wires where installation has been removed, for wrapping splices. All soldered ends should be wrapped with a rubber tape and covered with connector tape.

**4-A-4058.** Black fixture tape, 3/4 inch wide, 1/2 lb. package.... **25c**  
**4-A-4059.** Rubber splicing tape, 3/4 inch wide, 1/2 lb. package.... **30c**

## PROTECTED EXTENSION LIGHTS



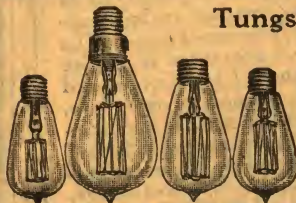
**\$1<sup>95</sup>**

**4-A-4060.** A carefully assembled extension light for use about the home and other buildings. Made with strong, protected guard and wooden handle. Key socket, 110 volt, 16 candle power cord socket. Lamp not included. Weight, 2 lbs. Each..... **\$1.95**

**\$2<sup>95</sup>**



**4-A-4061.** Improved extension light with strong guard protector and reflecting shade to centralize the light where you want it. Made with 20 feet of cable. Lamp not included. Weight, 6 lbs. Each..... **\$2.95**



**Tungsten Lamps**

These lamps consume one third the current used by ordinary carbon lamps of equal power. On account of Tungsten Metal being very easily broken by rough handling, we cannot guarantee safe delivery or replace Tungsten lamps shipped by mail.

100 to 130 Volts.

### Clear Glass Tungsten Lamps

**4-A-8005.** 60-Watt Each..... **35c**  
**4-A-8006.** 100-Watt. Each..... **90c**  
**4-A-8003.** 40-Watt Each..... **30c**  
**4-A-8004.** 25-Watt Each..... **30c**

## High or Low Electric Light Regulator

20 Light Changes—Dim to Bright

This perfected electric light regulator works equally well upon either direct or alternating current. It gives you exactly the strength of light you wish at all times—twenty changes of light—dim or bright—easily regulated by pulling either the dark or light chain. Made with a highly finished brass shell with socket construction to attach to a shade holder.

Just the thing for hospitals, sick rooms, nurseries, bathrooms, hallways, bedrooms or where a low light is necessary.

Any ordinary electric globe can be used provided it is not more than 40 watts capacity. Furnished for 110, 30 or 32 volt. Specify voltage when ordering.

**4-A-8904.** Electric light regulator, complete without electric lamp. Each..... **\$1.10**



You simply pull the light or dark chain to subdue or brighten the light

### Skeleton Bells



Used for fire and burglar alarms, or for other purposes that require a strong, loud ringing bell, such as mills, shops, and factories. The contact points are platinum, thus insuring a uniform penetrating sound.

**4-A-10503.** 4-in. Gong. Each..... **\$3.70**  
**4-A-10505.** 5-in. Gong. Each..... **\$4.25**  
**4-A-10507.** 6-in. Gong. Each..... **\$4.50**  
**4-A-10509.** 8-in. Gong. Each..... **\$6.90**  
**4-A-10511.** 10-in. Gong. Each..... **\$9.75**

### Iron Box Bells



Used for door and call bells. Box is made of stamped sheet steel, nickel plated cast gong. German silver contacts. Can be operated and rings clearly with one cell of battery at a distance of 150 feet.

**4-A-10501.** 3-in. iron box bell..... **55c**  
4-inch iron box bell. Used where a louder tone is required..... **65c**

### Iron Box Buzzer



Used in place of bells for call purposes. Makes a loud buzzing sound.

We advise the use of a buzzer for the back door, as it is easy to distinguish the sound of buzzer from the bell which can be used for front door.

**4-A-10513.** Iron box buzzer, Japanned finish..... **70c**

**Bell  
Trans-  
former**



**4-A-20055.** This transformer connects to house-lighting circuit. Reduces current, low voltage, for operating door bells, buzzers, annunciators, etc., doing away with dry cells. Stock transformers will operate on 100 to 130 volts, 60 to 133 cycle. "Junior" Bell Ringer, 2 1/2 x 2 1/2 inches, weight, 2 1/2 pounds..... **\$1.25**

### Columbia Dry Batteries



Designed especially for ignition work. Low internal resistance intended for the severest work under which an open circuit dry battery will qualify. Suitable for automobiles, motor boats, gasoline engines, small incandescent lights, small motors. Will test from 25 to 30 amperes. Weight, 2 lbs.

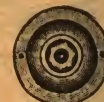
**4-A-10521.** Size, 2 1/2 x 6 inches. Each..... **50c**

### Push Buttons



**Wood**

**4-A-10527.** Wood push buttons. Oak, ash, cherry or walnut. German silver springs, porcelain button..... **14c**



**Metal**

**4-A-10529.** Solid cap stamped brass buttons..... **15c**



## Jump Spark Coils

FOR STATIONARY AND MARINE ENGINES

**4-A-20050.** Designed to answer the most rigid requirements of marine and stationary gas engines, regardless of horse power.

A hot, flaming arc is produced under compression with minimum current consumption, increasing the life of the batteries.

Coils are equipped with a vibrator. It is impossible to adjust the vibrator to consume an excessive amount of current. Arcing at contact points is practically eliminated. Large points are used, made of the very best grade of tungsten.

Assembled in a dovetailed, highly polished seasoned oak case.

Single cylinder..... **\$2.50** Double Cylinder..... **\$5.25**  
Extra vibrator bridge with tungsten point..... **50c**  
Extra vibrator spring with tungsten point..... **50c**

## Make and Break Spark Coils

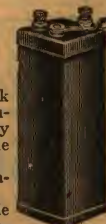
Moisture Proof

For stationary and Marine make and break engines. **4-A-20051.** Coils are assembled in a substantial black enameled steel case, 2 1/4 inches square by 6 inches high, occupying the same space in the battery box as an ordinary dry cell. They are very economical on battery power and generate at all times a hot, intense spark.

These coils are immersed in a special insulating compound, rendering them absolutely impervious to moisture.

Any of our coils can be furnished with a single or double throw switch. A combined coil and switch is a very late improvement in Ignition Equipment. It simplifies the wiring circuit and eliminates the expense of one primary wire, battery switch and the mounting of same on the battery box.

No. 10. Make and break Coil without switch..... **\$0.95**  
No. 10. Make and break Coil with single throw switch..... **1.10**  
No. 10. Make and break Coil with double throw switch..... **1.20**





# HARRIS House Paint



**\$1<sup>75</sup>**

**Per Gallon**



## Guarantee House Paint

We Guarantee every gallon of "Harris" house paint to be equal in every respect to the highest priced paints on the market. We guarantee that it will come up to your highest expectations in spreading and wearing qualities, appearance and fastness of color. The purpose of this guarantee is to give you an assurance of satisfaction, and if you are not pleased in every way, or if for any reason you are not satisfied with your purchase of "Harris" house paint, we will replace every gallon you have purchased free of charge. HARRIS BROTHERS CO.

THE QUALITY of the paint you use should be more carefully considered than probably any other material you buy. The purchase of good paint—the kind that is made from a scientific formula of finest ingredients, is real genuine economy. "Harris" house paint is good paint. Pure linseed oil, lead and zinc are used as the main body.

### 32 Non-fading Colors to Choose from

White	Venetian	Blue
Olive	Fawn	Light Grey
Orange	Maroon	Oak
Drab	Pea Green	Peacock Blue
	Azure Blue	Tan
	Ivory Yellow	Russet
	Lilac	Light Yellow
	Canary	Pink
	Blue Green	Slate
	Cream	Terra Cotta
	Brown	Grey
	Straw	Buff
	Bronze	Black

Chocolate  
Dark Grey

Order No. 9-A-700

You Can Pay More But You  
Won't Get Better Paint!

1 quart cans. Each.....	\$0.55	5 gallon kit. Per gallon.....	\$1.83
1 gallon cans. Each.....	1.85	25 gallon (½ bbl.), Per gal.....	1.80
50 gallon bbls. Per gallon.....			\$1.75

**5 Gallon Kit of Harris House Paint and One High Grade 4-inch Brush (Set in Rubber) \$9<sup>85</sup>**

The brush furnished is of excellent quality, 4 inches wide with pure black bristles, 3½ inches long, set in vulcanized rubber. Regular \$1.75 value.  
No. 9-A-701—5 Gallon Kit of Harris House Paint and one High Grade 4-inch Brush.....\$9.85



# HARRIS Barn Paint

## Guarantee Barn Paint

We Guarantee every gallon of paint to be equal in every respect to the highest price barn paints on the market. We guarantee that it will come up to your highest expectations in spreading and wearing qualities, appearance and fastness of color. The purpose of this guarantee is to give you an assurance of satisfaction, and if you are not pleased in every way, or if for any reason you are not satisfied with your purchase of "Harris" Barn paint, we will replace every gallon you have purchased free of charge.

HARRIS BROTHERS CO

**\$1<sup>25</sup>**  
**Per Gallon**

HARRIS BARN PAINT is made of the same splendid process as Harris House Paint. Only the best ingredients are used in its formula. As a covering for your barns and for other similar outside work, it has no superior. Those who have used Harris paint before know that it can be depended upon to complete a job that will wear perfectly under most severe conditions.

## 6 Popular Colors to Choose from

### REGULAR COLORS

Red Yellow Maroon

### SPECIAL COLORS

\*Green\* Slate \*Lead

\* The colors indicated as "special colors" above require more expensive color ingredients than the regular colors, and consequently we are forced to advance these prices slightly. Inferior substitutes could be used which would sacrifice quality. We must naturally supply best paint to you under our binding guarantee.



### FOR REGULAR COLORS

Order No. 9-A-702

1 gal. can. Each.....	\$1.35
5 gal. kits. Per gal.....	1.33
25 gal. (½ bbls.) Per gal.....	1.30
50 gal. bbls. Per gal.....	1.25

### FOR SPECIAL COLORS

Order No. 9-A-703

1 gal. can. Per gal.....	\$1.60
5 gal. kits. Per gal.....	1.58
25 gal. (½ bbls.) Per gal.....	1.55
50 gal. bbls. Per gal.....	1.50

Contains All Desired Qualities—  
Endurance, Appearance, Protection

**\$7<sup>35</sup> Buys A 5-Gallon Kit of Harris Barn Paint and  
A High Grade 4-inch Brush (Set in Rubber)**

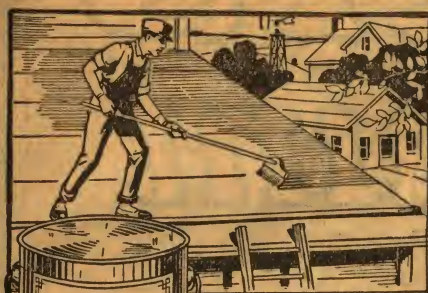
The high grade 4-inch Brush set in vulcanized rubber, 4 inches wide, with pure black bristles 3¼ inches long, regular \$1.75 kind.

No. 9-A-704—5 Gallon Kit of Harris Barn Paint and a High Grade 4-inch Brush.....**\$7.35**

If any of the special colors are wanted, add \$1.25.



# Some Special Savings in Painter's Needs



water proof and sun proof. It is a heavy rubber-like combination of durable oils, reinforced with asbestos fibre. Apply in a heavy coat, using about one and one-half gallons to the hundred square feet.

## 9-A-150—

1 gal. can—shipping wt., 15 lbs. ....  
5 gal. can—shipping wt., 75 lbs. ....  
25 gal. ½ bbl.—shipping wt., 225 lbs. ....  
50 gal. bbl.—shipping wt., 500 lbs. ....

**45c**  
Per Gallon

A new method of preserving the life of metal, paper and composition roofing. A liquid compound that will quickly and permanently seal all leaks, cracks and holes in any kind of a roof, making a perfectly water tight covering. This covering will add years of service to your roof. It seals all small holes, caused by rust and deterioration. Absolutely

It is a heavy rubber-like combination of durable oils, reinforced with asbestos fibre. Apply in a heavy coat, using about one and one-half gallons to the hundred square feet.

## Per Gal.

75c  
60c  
50c  
45c

**4½c**  
Per Pound

Makes a one piece, no seam roof. Guaranteed to stop roof leaks no matter how old the roof. One application of asbestos fibre roof cement will give years of additional service. It stops leaks in tin, wood, felt or paper roofs. Permanently seals leaks in basement walls, leaky gutters and spouting. Apply with a trowel, spreading cement about ½ inch thick.

## 9-A-151—

5 lb. can. ....  
10 lb. can. ....  
25 lb. pall. ....  
100 lb. keg. ....  
300 lb. half barrel. ....  
550 lb. barrel. ....

## Per Lb.

11c  
10c  
9c  
7c  
6c  
4½c



## Harris Auto Enamel



**\$1.35**  
Per Quart

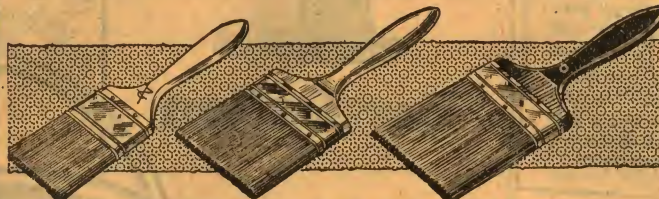
Harris Auto Enamel is, particularly made for refinishing automobiles. It is simple to use, and requires no expert knowledge. Applied with a fine brush. You can obtain a smooth surface. No brush marks will show. Complete directions sent with each can. Dries quickly. Supplied in ten colors: Black, brewster green, deep cream, dark blue, battle-ship grey, medium green, yellow, tan, red and white.

## 9-A-585—

1 quart can. ....  
1 pint can. ....  
½ pint can. ....

\$1.35  
.72  
.43

## Bargains in Good Brushes



## RUBBERSET HOME BRUSH

For varnishing, enameling, staining, or painting. A most durable brush. Selected Chinese bristles, solidly imbedded in hard vulcanized rubber.

9-A-1301. ....  
2 inches wide. ....

## 4 INCH WALL BRUSH

This brush is specially manufactured for us from pure black bristles, 3½ inches long, vulcanized in rubber. A high grade brush that is guaranteed to give satisfactory service.

9-A-58. ....

## SPECIAL WALL BRUSH

Made of all pure black Chinese bristles, 4 ins. long, 4 ins. wide, vulcanized in rubber. Suitable for painters or others who use a brush continuously. Packed in individual boxes.

9-A-1339. ....

## Flat Wall Paint

**50c**  
Per Quart



For interior walls. A high grade oil paint which dries to a soft flat tone, possessing an elastic finish. A sanitary paint, which will not rub off; may be washed with soap and water. Will not spot, turn color or fade. It is prepared, ready for use. Eleven colors: White, tan, light yellow, pea green, gray, yellow, pink, azure blue, deep cream, maroon.

## 9-A-905—

5 gallon cans, Per gal. ....  
1 gallon cans, Per gal. ....  
1 quart can, Per can. ....

## Harris High Gloss Enamel



For fine interior enamel work. These enamels are especially prepared to meet "easy to apply" requirements of the novice or housewife. Particularly adapted for walls and ceilings in bed rooms, bath rooms, and kitchens. Made in twelve beautiful shades: White, pale blue, deep cream, vermillion, sea green, rose pink, orange, royal blue, silver gray, green, carmine and black.

## 9-A-921—

1 gallon cans. ....  
1 quart cans. ....  
½ pint can. ....

## White Washing and Painting Machine

**SPECIAL SALE PRICE \$17.50**

The most practical and economical machine manufactured for whitewashing and painting. Can be used with either whitewash or cold water paints, or for spraying trees, 25 ft. high or more. Body is made of 24 gauge galvanized steel, fitted with brass cylinder valve pump, which produces a high pressure. Every machine is equipped with an agitator which works at every stroke of the pump, and keeps the solution thoroughly mixed. Every machine is equipped with solution strainer, and is guaranteed to give entire satisfaction. Ten-gallon capacity, complete with 10 ft. of ½-inch high grade hose, 1 nozzle and 8 foot extension rod.

9-A-321. ....



## High Grade Varnishes



## EXTRA COACH VARNISH

Suitable for the best interior work. Varnish of medium color and good body. The most durable varnish for this grade of work. Can be rubbed or left in the gloss. Dries dust free in three to four hours.

9-A-1007—  
1 pint cans. ....  
1 quart cans. ....  
1 gallon cans. ....  
5 gallon cans. ....



## WEARING FLOOR VARNISH

The highest grade floor varnish. Suitable for use on natural wood or painted floors. An elastic varnish that will not scratch, turn white or show heel marks. A most economical and durable floor varnish.

9-A-1013—  
1 pint cans. ....  
1 quart cans. ....  
1 gallon cans. ....  
5 gallon cans. ....



## FURNITURE VARNISH

A good varnish at an unusually low price. Has a fine gloss and will rub nicely. Light in color and dries dust free in eight hours. Get the benefit of these big sale savings.

9-A-1001—  
1 pint cans. ....  
1 quart cans. ....  
1 gallon cans. ....  
5 gallon cans. ....



# Carefully Chosen for this Book!



**80c**  
**Black**  
**Per Gallon**

An ideal roofing coating for wood, metal or composition roofs. Tough and elastic. The colors produce a beautiful effect, harmonizing with the colors used in your house paint. Made of the best grade Trinidad asphalt especially treated and combined with pure boiled linseed oil. When dry it forms a tough elastic surface. Is not affected by expansion or contraction, acids, gases, or alkali. One

gallon will cover two hundred and fifty feet smooth surface. Supplied in four colors, maroon, green, brown and black.

	Per Gallon	Black	Colors
9-A-913—			
1 gallon can.....	\$0.90		\$1.28
5 gallon can.....		.88	1.25
25 gallon half barrels.....		.85	1.20
50 gallon barrels.....		.80	1.12

**\$1.20**

**Per Gallon**

The best wood preservative known. Harris Creosote Shingle Stain is scientifically prepared. The colors are extremely durable, and attractive, and are guarantee not to fade. This shingle stain is a particularly high grade material, which we guarantee to satisfy you entirely. Can be applied with a brush after shingles are laid, or shingles can be dipped before laying. When applied with a brush one gallon will cover about 150 square feet of surface one coat. For dipping it requires 2 1/2 to 3 gallons per thousand shingles. Supplied in six colors, brown, medium green, moss green, weathered oak, venetian red, and light green.



9-A-901.	1 gallon cans, per gallon.....	\$1.30
9-A-902.	5 gallon cans, per gallon.....	1.27
9-A-903.	25 gallon half barrels, per gallon....	1.23
9-A-904.	50 gallon half barrels, per gallon....	1.20

## White Lead



Our white lead is non-poisonous, is carefully ground and scientifically mixed. Ground in pure oil. Our "Iniald Pure" lead is recommended and will give extra good service. Our "Premier" lead is of guaranteed quality.

9-A-1106.

"Premier" White Lead

100 lb. kits, per lb.....	11c
50 lb. kits, per lb.....	11 1/2c
25 lb. kits, per lb.....	11 1/2c
12 1/2 lb. kits, per lb.....	12c

9-A-1107.

"Iniald Pure"

100 lb. kits, per lb.....	16c
50 lb. kits, per lb.....	16 1/2c
25 lb. kits, per lb.....	17c
12 1/2 lb. kits, per lb.....	18c

## Lubricating Oils and Greases



No. 9-A-601. High grade Tractor Engine Oil tested and approved by leading Tractor manufacturers and highly recommended as a splendid lubricant.

Per gallon.....	\$1.00
5 gallon cans, per gallon.....	.95
25 gallon barrels, per gallon.....	.85
50 gallon barrels, per gallon.....	.75

Separator Oil Recommended for Cream Separators

A light colored oil, recommended for hand and power machines.

9-A-10810—	Per Gal.
1 gal. can.....	\$1.25
5 gal. cans.....	80c
25 gal. half bbls.....	1.10
50 gal. bbls.....	1.00

Red Engine Oil

Highest grade lubricating oil. 500 fire test. 200 viscosity test.

9-A-10815—	Gal.
1 gal. cans.....	\$5c
5 gal. cans.....	80c
25 gal. bbl.....	65c
50 gal. bbl.....	60c

## Axle Grease

Highest quality refined grease. Lessens friction and lightens draft. Guaranteed to give satisfaction.

9-A-10847—

10 lb. pail.....	\$1.05
15 lb. pail.....	1.40
25 lb. pail.....	2.15



## Cup Grease

High grade transmission grease. Will not gum or harden. Prevents rust and reduces friction. A superior lubrication for general transmission.

9-A-10843—

5 lb. pails.....	\$0.90
10 lb. pails.....	1.70

## Wall Paper Cleaner

For calcimine, wall paper, window shades, and all interior decoration. Absorbs all smoke, dust and dirt. Will not stain or fade.



9-A-10855. Price per can..... **9c**

## Paint Cleaner

1-lb. Package **8c**



An ideal preparation for washing paint, walls, woodwork or any surfaces that can not be cleaned with soap and water. Guaranteed not to damage the furniture or woodwork. Put up in 1 lb. packages. Price, each..... **8c**

## Priced for Real Economy



**INTERIOR SPAR VARNISH**

Adapted for interior finishes for highest grade work. Light in color. Made from pure hard gum. Can be left in the gloss or rubbed. Dries hard for rubbing in 48 hours.

9-A-1017—

1 pint can.....	\$ 0.50
1 quart can.....	.85
1 gallon can.....	2.75
5 gallon can.....	13.00

**OUTSIDE SPAR VARNISH**

Recommended for finishing woodwork in bath rooms, or any woodwork that may have hard usage, or come in contact with water.

9-A-1019—

1 pint can.....	\$ 0.55
1 quart can.....	.90
1 gallon can.....	3.00
5 gallon can.....	14.00

**LINOLEUM VARNISH**

Applied over linoleum it gives a hard, smooth, elastic finish that will bend with the linoleum. Will not crack. Not affected by hot or cold water. Dries to walk on over night.

9-A-933—

1 pint can.....	\$ 0.45
1 quart can.....	.70
1 gallon can.....	2.25
5 gallon can.....	10.50

## Harris High Gloss Lacquer

Recommended for finishing furniture and woodwork. This lacquer is especially prepared, so that highest results can be obtained by an inexperienced person. Fourteen shades, light oak, cherry, gloss white, flat black, rosewood, walnut, dark oak, moss green, gloss black, mahogany, royal red, clear, flat white, and ground color

9-A-1101—

1 gallon cans.....	\$2.10
1 quart cans.....	.65
1/2 pint cans.....	.23



## Varnish Stain



Recommended for use over a surface already varnished or painted, such as old furniture, varnished or painted woodwork. Harris Varnish Stain dries hard with a high luster and is easily applied with a

varnish brush. It is made in the following colors: Cherry, Mahogany, Rosewood, Dark Oak, Light Oak, Walnut, Antique Oak.

9-A-171.	Per half pint can.....	20c
Per 1-pint can.....		\$0.30
Per 1-quart can.....		.52
Per 1/2-gal. can.....		.95
Per gal. can.....		1.75

## OIL Stain



A Perfect Imitation of Natural Wood. Used for staining interior woodwork and other work not finished. Dries with a flat finish. One or two coats of

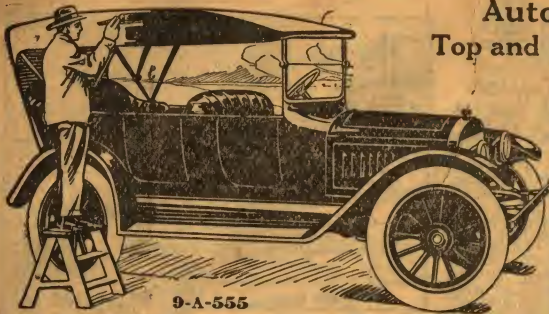
varnish will produce a fine glossy surface. It is easily applied with a varnish brush. Made in the following shades: Cherry, Dark Oak, Mahogany, Light Oak, Rosewood, Walnut, Antique Oak.

Prices on above shades:

9-A-173.	Per half pint can.....	20c
Per 1-pint can.....		\$0.30
Per 1-quart can.....		.52
Per 1/2-gal. can.....		.95
Per gal. can.....		1.75



# Ladders and Paint Accessories!



9-A-555

1 pint cans (sufficient for Ford car).....\$0.60  
 1/2 pint cans......30

## Auto Enamel Top and Seat Dressing

Harris Auto Enamel and Auto Top and Seat Dressing have been prepared to renew the appearance of your car. They can be quickly and easily applied, requiring no expert knowledge. With a little of your time and the use of these excellent varnishes, you can make your automobile look like new. Top and Seat Dressing especially prepared for leather, rubber or mohair tops, and seats and curtains. Fills cracks, covers stains, restores original finish and preserves the life of the fabric.

1 gallon cans.....\$3.00  
 1 quart cans (sufficient for touring car)......80

## Colors in Oil



9-A-817. The strongest, most durable unfading colors obtainable. For use in tinting or may be used as it is furnished with the addition of proper thinners. Put up in 1 and 5 lb. cans.

Colors: 1 lb. cans  
 Drop Black.....\$0.30  
 Ivory Black......30  
 Coach Black......30  
 Lamp Black......45  
 Prussian Blue.....1.25  
 Ultramarine Blue......45  
 Cobalt Blue......68  
 Raw Umber......27  
 Burnt Umber......27

Raw Sienna......27  
 Burnt Sienna......27  
 Vandyke Brown......54  
 Chrome Green......35  
 Blind Green......35  
 Scarlet Vermilion......90  
 Tuscan Red......60  
 English Venetian Red......20  
 Chrome Yellow (Light)......36  
 Chrome Yellow (Medium)......36  
 Chrome Yellow (Orange)......36  
 Yellow Ochre......60  
 English Rose Pink......60  
 English Rose Lake......60  
 Light Oak Graining......30  
 Dark Oak Graining......30  
 Antique Oak Graining......30  
 Walnut Graining......30  
 Cherry Graining......30  
 Mahogany Graining......30

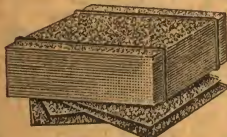


## Flake Glue

9-A-231. First Grade Flake Glue. Can be used on both soft and hard woods or for making printers' rollers, emery wheels, white mouldings or any other purpose where great strength and flexibility are required.

Price, per pound.....38c  
 Price, 100 pound drums, per pound.....36c  
 Price, 200-pound drums, per pound.....35c  
 9-A-333. XX Flake Carpenters' Glue. Specially adapted for cabinet makers, carpenters, chipping glass and general repairing.  
 Price, per pound.....31c  
 Price, 100-pound drums, per pound.....27c  
 Price, 200-pound drums, per pound.....25c  
 9-A-335. XXX Kalsomine Glue. A thin cut pure sizing glue, used largely by kalsominers, also by cabinet makers for high-grade joining.  
 Price, per pound.....28c  
 Price, 100-pound drums, per pound.....24c

## Sand Paper



9-A-349. Best quality sand paper. The sand is sharp flint and applied to paper by special process.

The No. 00 is the finest and No. 3 is the coarsest. Put up 24 sheets to the quire, one

number only. Assorted quires take the sheet price.  
 Numbers.....00 0 1 1 1/2 2 3  
 Price, 24 sheets.....30c 31c 32c 33c 35c 40c 58c  
 6 sheets for.....10c 10c 10c 10c 12c 13c 15c

XXX QUALITY EMERY CLOTH  
 9-A-351. Made on heavy twilled cloth back and covered with the best quality emery.  
 Numbers.....00 0 1 1 1/2 2  
 24 sheets.....\$1.60 \$1.62 \$1.65 \$1.67 \$1.80 \$2.00  
 3 sheets......45 .45 .45 .45 .50 .55

## Wood Filler

9-A-1049.



For filling or first coating any kind of close grained wood.

Thoroughly seals up wood pores, and prevents absorption of moisture. This wood filler is transparent, does not need to be rubbed. Recommended for wood work where one or two coats of varnish are to be applied.

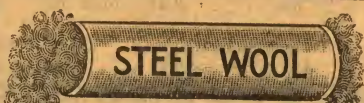
1 qt. cans, each.....\$0.60  
 1 gal. cans, per gal.....1.80

## Pure Putty

Specially adapted for Painters' and Furniture Manufacturers' use. Guaranteed strictly pure. Will not crumble or crack.



9-A-1107.  
 Price, 20 lb. cans.....\$1.00  
 Price, 10 lb. cans......65  
 Price, 4 lb. cans......42  
 Price, 1 lb. can......12



9-A-352—Size 3 Steel Wool used in place of No. 1 or 1 1/2 sand paper. This brand of steel wool enables the painter or decorator to turn out a smooth, glossy piece of work.

Price  
 Per 1 lb. package.....45c

9-A-353—Steel Wool for household use. The most efficient and economical time saver of all household cleansers. Packed in convenient cartons containing 2 oz. No. 0—Very fine, recommended for aluminum ware. Price per package.....9c

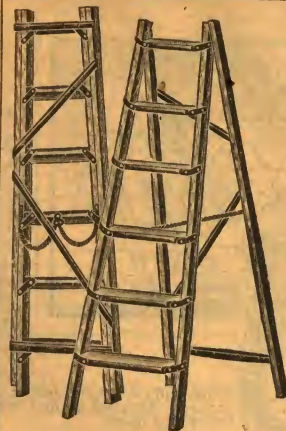
No. 3. Recommended for pots and pans and floors  
 Price per package.....9c

## Farm or Long Ladders



9-A-123. Sides are made of clear pine. Hickory rungs fastened in the same manner as our extension ladders. A strong, rigid ladder, suitable for all general purposes.

Length	Price
10 feet	\$2.40
12 feet	2.90
14 feet	3.35
16 feet	3.85
18 feet	4.60
20 feet	5.10



## Trestles and Step Ladders

9-A-1229. Made of clear pine strongly constructed and well braced. Arranged so that plank may be put on either step. Steps are iron braced in front and back.

Height	Price
5 feet.....	\$3.00
6 feet.....	3.60
8 feet.....	4.80
10 feet.....	6.00

## Superior Step Ladders

9-A-1241. Made of clear pine. Rods under every step. Steel leg spreaders. A strong, safe ladder, fitted with pail shelf, which can be readily folded up out of the way when not in use.

Height, 5 feet. Price, each.....\$2.35  
 Height, 6 feet. Price, each.....2.85  
 Height, 8 feet. Price, each.....3.75

## Automatic Self-Locking Ladder

These ladders are made from selected clear pine, fitted with pail shelf, hinges made of galvanized sheet steel, securely fastened to the flanges. This is a durable ladder, quoted at a low price.

9-A-1244. 4 feet, 20 pounds.....\$1.40  
 9-A-1245. 5 feet, 22 pounds.....1.75  
 9-A-1246. 6 feet, 26 pounds.....2.10  
 9-A-1247. 8 feet, 30 pounds.....2.75



## Extension Ladders

Strongest and most durable extension ladders manufactured. Made of clear selected pine, and hickory rounds. The extension rollers are of an improved design, simplifying the lowering and elevating of the ladder.

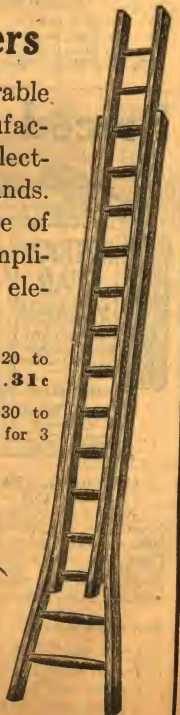
9-A-1250. Two sections from 20 to 30 ft.—per foot.....31c

9-A-1251. Two sections from 30 to 40 ft.—per ft. 34c, \$1.00 extra for 3 section ladder.

## Rope Extension Ladders

9-A-1221. Top section raised and lowered by rope and pulley attachment. Fitted with improved automatic locking hooks, furnished only in two sections.

Lengths, 20 to 30 feet.....39c  
 Price, 30 to 40 ft. Per Foot.....42c





# Home Painting and Finishing Needs!

## Bath Tub Enamel



Produces a hard, smooth, highly polished and non-absorbent surface. Effectually resists the action of hot and cold water, soaps and other preparations used in baths. With one pint you can do over and give it that new effect. Same remarkable results on sinks and wood and iron work about the

house. No skill is required. Easily applied, will dry over night.

**9-A-903.** Half Pint.....**35c**  
Pint.....**57c** Quart.....**\$1.00**

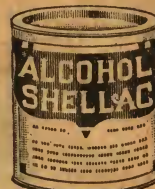
## Painters Time Saver



With this little tool you can paint as fast as you like and need have no fear of spoiling the decorations. Made of light metal, highly polished. No danger of spoiling the wall paper, window panes or door glass, etc. Also used when washing woodwork. Shipping weight, 8 oz.

**9-A-13001.** 20c  
Price Each.....

## Alcohol Shellac



Made from the finest grades of Guaranteed Pure Gum Shellacs in Denatured Alcohol. Used as first coat on furniture and interior work, except floors on which varnish is to be applied. Dries hard in about 2 to 4 hours. Will cover from 300 to 400 square feet, one coat. Pure Orange Shellac will give the wood an Oak color. White shellac is used where no color is desired. Also recommend it for coating knots and sappy spots before painting.

**9-A-1039.** Pure Orange Shellac.  
Pt. Cans Qt. cans 1/2 Gal. cans 1 Gal. cans  
70c \$1.20 \$2.25 \$4.30  
**9-A-1041.** Pure White Shellac.  
Pt. cans Qt. cans 1/2 Gal. cans 1 Gal. cans  
80c \$1.40 \$2.50 \$4.80

## Stove Pipe Enamel



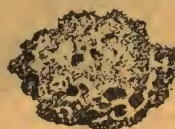
**9-A-935.** For stove pipes, stoves, furnaces, grates, smokestacks, iron fences; gives an enamel finish. We have reduced to a liquid state a mineral of volcanic deposit of intense blackness. Withstands heat and retains its brilliant, black luster. It will not peel or burn off; the surface to be painted is cold. A

pint is sufficient for six lengths; black only.  
Price, 1/2 pint.....**15c**  
Pint, 22c. Quart, 39c. Half Gallon, 75c



Makes screens look like new. Does not clog the mesh. Dries hard and quickly. Green or black.

**9-A-931.**  
Gallons.....\$1.50  
Quarts......45  
1/2 pint......20



Large sponge, especially adapted for cleaning automobiles. A sponge that is guaranteed to give best service.

**9-A-580.....25c**

## Paste Wood Filler



**9-A-1051.** Better than any other, as it completely fills the pores, making an impervious surface over which to varnish. Apply with a brush, and after allowing 20 to 30 minutes to set, wipe off smoothly with a rough piece of burlap, wiping across the grain. Ten pounds will fill about 450 square feet. Made in three shades, natural, light oak and dark oak.

1 lb. can.....**20c** 5 lb. can.....**90c**

## Kalsomine 16 Colors



Can be applied by anyone. Shipped in powdered form, ready for use by mixing in hot water. Furnished in white, pea green, light green, lavender, blue, salmon pink, light pink, light tan, buff, gray, green, ivory and yellow. Put up in 4-lb. packages, enough for ordinary sized room.

**9-A-315.** 45c  
Price per package.....

## FREE! Color Paint Chart

*The most complete and attractive paint color folder ever produced. Mounted with chips showing the actual colors of Harris guaranteed paints, stains, lacquers, enamels and calcimine. Makes it easy for you to select the exact colors you wish. Ask for your copy now.*

## Premier T. Japan



**9-A-1025.** Is a very reliable heavy bodied oil drier. Will mix with any paint formula without any bad results. Is transparent and has a tendency to add durability to paint instead of burning up the durable qualities of the oil.

Pint Quart 1/2 Gal. 1 Gal. 5 Gals.  
40c 50c 85c \$1.55 \$7.50



## Interior Floor Paint

Per Gallon **\$2<sup>20</sup>**

Harris Durable Floor Paint. Specially prepared and guaranteed to resist wear, washing with hot water and scrubbing, retains its bright shiny surface. Paint dries overnight with a high gloss. Remains dust free and will be hard enough to walk on in twenty-four hours. Made in the following colors: Gray, russet, yellow, red, lead, green, tan and maroon. Specify color desired when ordering.

**9-A-809.** Harris Ready Mixed Floor Paint—  
5 gallon cans, per gallon.....\$1.85  
1 gallon cans, per gallon.....1.90  
1 quart cans......60



## Harris Porch Paint

Per Gallon **\$3<sup>70</sup>**

Harris Porch Floor Paint. Specially prepared for floor work of porches and stairways. Guaranteed to resist the effects of rain, sun or most severe weather. It is particularly made of highest grade ingredients, which give the greatest preserving and resisting qualities for outside wear. Dries overnight, and obtains a high luster. Made in the following colors: Gray, russet, yellow, lead, red, green, tan and maroon. When ordering specify color desired.

**9-A-810.** Harris Durable Porch Floor Paint—  
5 gallon cans, per gallon.....\$3.35  
1 gallon cans, per gallon.....3.40  
1 quart cans......90



## Cement Wall Coating

Strictly formulated after careful tests to meet the exact physical and chemical requirements of a masonry surface. Guaranteed the most efficient and damp-proofing treatment. It penetrates into the pores of the surface, and on hardening thoroughly seals them. Will not wash off. Stands the hardest usage. An ideal paint for hotels, hospitals, schools or wherever cement is used. Furnished in dark cement, moss green, tan, brown, copper color and slate.

**9-A-1201.** Cement Wall Coating—  
50 gallon barrels, per gallon.....\$2.35  
25 gallon half barrels, per gallon.....2.43  
5 gallon kits, per gallon.....2.47  
1 gallon cans, per gallon.....2.50  
1 quart cans, each......70



## Cement Floor Coating

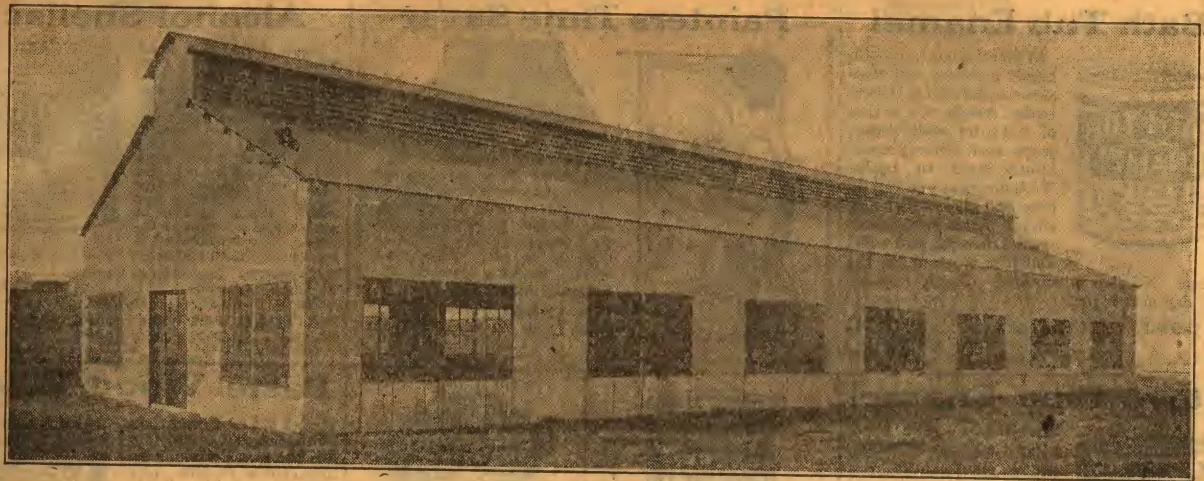
On ordinary floors it is almost impossible to make them look clean, but with our Harris Cement Floor Coating they not only make an attractive appearance, but are durable and it is almost impossible for any dust to lie on the surface. The concrete absorbs moisture so rapidly that it is impractical to clean them by ordinary methods.

Harris Cement Floor Coating makes the surface waterproof and at the same time so binding the particles that the dust making feature is eliminated. We can furnish same in the following colors: Cement, Pearl Gray, Slate, Terra Cotta.

Lot No. **9-A-1211.** One quart cans.....\$0.68  
Lot No. **9-A-1215.** One gallon cans.....2.48  
Lot No. **9-A-1217.** Five gallon kit, per gallon.....2.45



# These Buildings Now Ready!



The building illustrated above is practically all fabricated and stored in our Chicago warehouse, available for prompt shipment. It is 55' wide by 140' long, 15' high to the eaves. It is fabricated according to standard practice and is of a type that can be bolted together and erected very economically. We furnish the complete steel frame with necessary bolts, brace rods, etc., and the corrugated steel sheeting for roof, sides and ends, together with steel sash and hardware.

We have sold over fifteen of these buildings in various parts of the United States in 1922. If you desire to make an inspection you can see a duplicate erected in Chicago.

WITH THE EXCEPTION OF THE MONITOR,

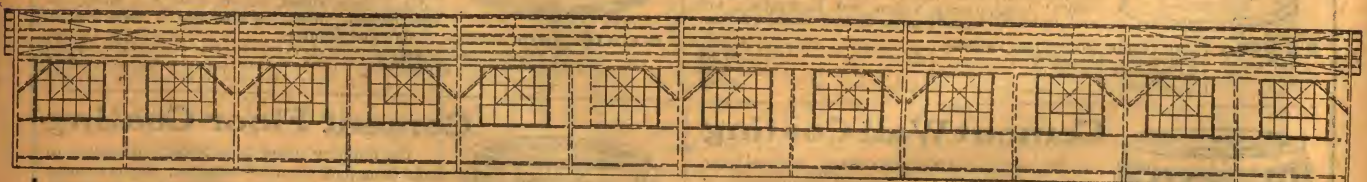
**Our Price Complete is \$6,200.00**



**Cross Section**



**End Section**



**Side Section**

We have two buildings of this kind practically ready for shipment. They are each 40' wide by 120' long and 10' high to the eaves. We fabricated them from some new and some used structural steel.

We offer them complete, including steel frame with bolts, brace rods, necessary corrugated steel sheets for roof, sides and ends, also doors, steel sash, bolts, hardware, etc., for complete shipment in one carload.

**Price Each Complete, \$3,300.00**



# Steel Lintels Made to Order

We are equipped at our Chicago Plant to fabricate lintels to order at remarkable savings. We illustrate below a few of the many types of lintels which are commonly used. We also give herewith a chart for the benefit of those who are in doubt as to what size lintel to use for any given span. In many cases where we specify I beams and angles other members may be used. We merely give you this information to show the approximate size of materials to use on lintels. These lintels are designed only to carry concrete or brick work above the opening to any height, but should there be a floor beam or girder resting on the wall above the lintel, these figures do not apply.

If you need lintels and have not employed an Architect or Engineer to give you the sizes required, simply send us a list of the openings and the thickness of the wall and we will furnish correct material.

By using good material which has been in previous use we are enabled to furnish you serviceable lintels at remarkable savings. Get our prices before going ahead.



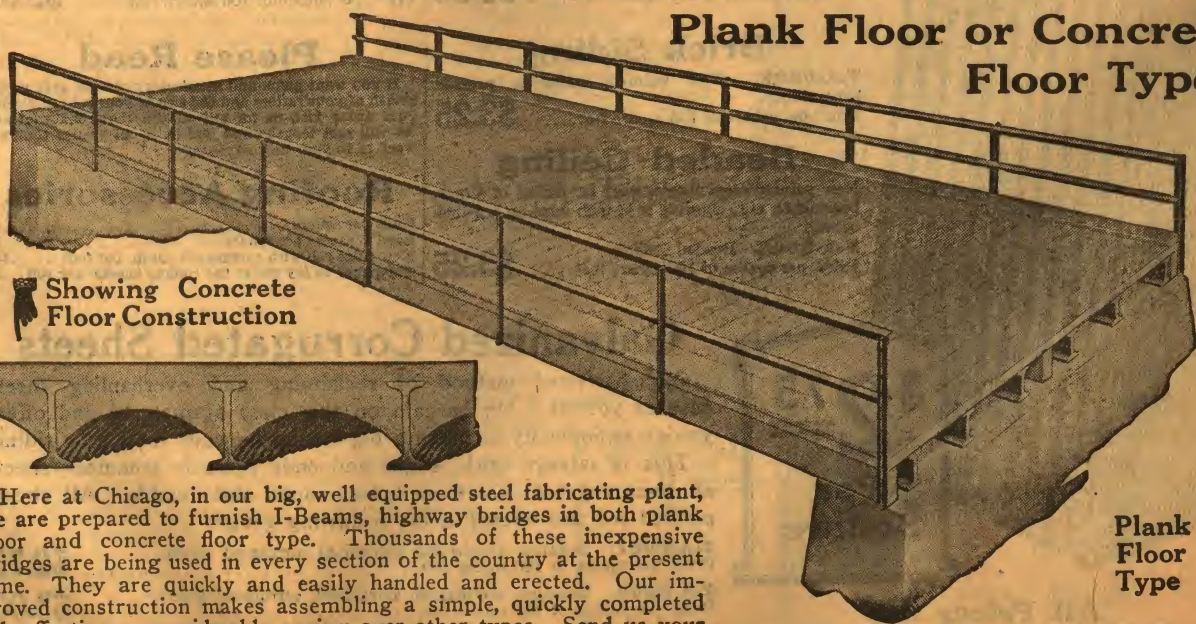
This chart shows the correct steel lintel to use for carrying any height concrete block or brick walls over openings

Width of Opening Ft. and In.	9-Inch Brick Wall			13-Inch Brick Wall			17-Inch Brick Wall			21-Inch Brick Wall		
	Lintel Number	Lintel Type	Use for one Lintel	Lintel Number	Lintel Type	Use for one Lintel	Lintel Number	Lintel Type	Use for one Lintel	Lintel Number	Lintel Type	Use for one Lintel
3-0	18-AS-10	A	2 angles 3 1/4"x2 1/2"x 1/4"x3'-9"	18-AS-27	C	2 angles 4"x4"x 1/2"x 3'-9" or 2 angles 5"x3"x 1/2"x3'-9"	18-AS-44	D	2 angles 3 1/4"x2 1/2"x 1/4"x3'-9" and 1 Pl. 15"x4"x3'-9"	18-AS-61	D	2 angles 5"x3"x 1/2"x 3'-9" and 1 Pl. 18"x4"x3'-9"
4-0	18-AS-12	A	2 angles 3 1/4"x2 1/2"x 1/4"x4'-9"	18-AS-29	C	2 angles 4"x4"x 1/2"x 4'-9" or 2 angles 5"x3"x 1/2"x4'-9"	18-AS-46	D	2 angles 3 1/4"x2 1/2"x 1/4"x4'-9" and 1 Pl. 15"x4"x4'-9"	18-AS-63	D	2 angles 5"x3"x 1/2"x 4'-9" and 1 Pl. 18"x4"x4'-9"
5-0	13-AS-14	A	2 angles 4"x3"x 1/2"x 5'-9"	18-AS-31	C	2 angles 4"x4"x 1/2"x 5'-9" or 2 angles 5"x3"x 1/2"x5'-9"	18-AS-48	D	2 angles 3 1/4"x2 1/2"x 1/4"x5'-9" and 1 Pl. 15"x4"x5'-9"	18-AS-65	D	2 angles 5"x3"x 1/2"x 5'-9" and 1 Pl. 18"x4"x5'-9"
7-0	18-AS-16	A	2 angles 4"x3"x 1/2"x 8'-0"	18-AS-33	C	2 angles 4"x4"x 1/2"x 8'-0" or 2 angles 5"x3"x 1/2"x8'-0"	18-AS-50	D	2 angles 4"x3"x 1/2"x 8'-0" and 1 Pl. 15"x4"x8'-0"	18-AS-67	D	2 angles 5"x3"x 1/2"x 8'-0" and 1 Pl. 18"x4"x8'-0"
9-0	18-AS-18	B	1-4" 7 1/4"-lb. I-Bm. x10'-0" and 1 Pl. 8"x4"x10'-0"	18-AS-35	B	1-4" 7 1/4"-lb. I-Bm. x10'-0" and 1 Pl. 10"x4"x10'-0"	18-AS-52	E	2-4" 7 1/4"-lb. I-Bm. x10'-0" and 1 Pl. 15"x4"x10'-0"	18-AS-69	E	2-4" 7 1/4"-lb. I-Bm. x10'-0" and 1 Pl. 18"x4"x10'-0"
12-0	18-AS-20	B	1-8" 9 1/4"-lb. I-Bm. x13'-0" and 1 Pl. 8"x4"x13'-0"	18-AS-37	B	1-8" 12 1/4"-lb. I-Bm. x13'-0" and 1 Pl. 11"x4"x13'-0"	18-AS-54	E	2-8" 9 1/4"-lb. I-Bm. x13'-0" and 1 Pl. 15"x4"x13'-0"	18-AS-71	E	2-8" 12 1/4"-lb. I-Bm. x13'-0" and 1 Pl. 18"x4"x13'-0"
16-0	18-AS-22	B	1-8" 18-lb. I-Bm. x17'-0" and 1 Pl. 8"x4"x17'-0"	18-AS-39	B	1-9" 21-lb. I-Bm. x17'-0" and 1 Pl. 11"x4"x17'-0"	18-AS-56	E	2-8" 18-lb. I-Bm. x17'-0" and 1 Pl. 15"x4"x17'-0"	18-AS-73	E	2-9" 21-lb. I-Bm. x17'-0" and 1 Pl. 18"x4"x17'-0"
20-0	18-AS-24	B	1-10" 25-lb. I-Bm. x21'-0" and 1 Pl. 8"x4"x21'-0"	18-AS-41	B	1-12" 31 1/2"-lb. I-Bm. x21'-0" and 1 Pl. 11"x4"x21'-0"	18-AS-58	E	2-10" 25-lb. I-Bm. x21'-0" and 1 Pl. 15"x4"x21'-0"	18-AS-75	E	2-12" 31 1/2"-lb. I-Bm. x21'-0" and 1 Pl. 18"x4"x21'-0"
30-0	18-AS-26	B	1-18" 55-lb. I-Bm. x32'-0" and 1 Pl. 8"x4"x32'-0"	18-AS-43	B	1-20" 65-lb. I-Bm. x32'-0" and 1 Pl. 11"x4"x32'-0"	18-AS-60	E	2-15" 42-lb. I-Bm. x32'-0" and 1 Pl. 15"x4"x32'-0"	18-AS-77	E	2-18" 55-lb. I-Bm. x32'-0" and 1 Pl. 18"x4"x32'-0"

These lintels are designed to carry brick in walls of any height over openings. They are not designed to carry floor beams. Do not place any weight additional to brick, concrete blocks or other wall material over them. Mention lintel number, type of lintel, width of wall and length of opening when writing.

## I-BEAM HIGHWAY BRIDGES

Plank Floor or Concrete Floor Types



Showing Concrete Floor Construction

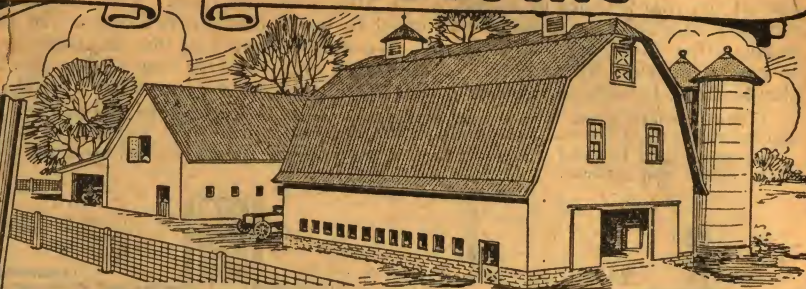
Plank Floor Type

Here at Chicago, in our big, well equipped steel fabricating plant, we are prepared to furnish I-Beams, highway bridges in both plank floor and concrete floor type. Thousands of these inexpensive bridges are being used in every section of the country at the present time. They are quickly and easily handled and erected. Our improved construction makes assembling a simple, quickly completed job effecting a considerable saving over other types. Send us your specifications for our low prices.



# PAINTED ROOFING

# GALVANIZED ROOFING



## Here's Value! Big Value!!

Purchased from the United States Government—brand new, made for use over seas and to stand salt air transportation.

No comparison whatever between this high grade, extra quality, new 22-gauge material and the standard weight stock on the market at a higher figure.

Sizes—all sheets 27½" wide, furnished in lengths up to and including 7'.

**7-A-9000.** 22-gauge, new 2½ inch, corrugated sheets.  
Price, per square of 100 square feet.....

**\$3.50**

**\$2<sup>50</sup>**

**Per  
Square**

## Corrugated Sheets! Overhauled and Painted.

These sheets have been put through exactly the same salvage method of trimming, overhauling, etc., as mentioned below on the galvanized sheets.

They are 2½ inch corrugated only, furnished in various lengths and widths and offered in the following gauges:

**7-A-9004.** 28-gauge, over-hauled, painted corrugated sheets.  
Price, per square of 100 square feet.....

**\$2.50**

**7-A-9005.** 26-gauge, over-hauled, painted corrugated sheets.

Price, per square of 100 square feet.....

**\$2.80**

**7-A-9006.** 24-gauge, over-hauled, painted corrugated sheets.

Price, per square of 100 square feet.....

**\$3.00**

## Brick Siding

**7-A-9007.** New painted, imitation pressed brick siding.

Price, per square of 100 square feet.....

**\$3.25**

## Beaded Ceiling

New painted steel sheets, used for ceiling of stores, basements, etc., showing a ¼-inch bead on a 3-inch center.

**7-A-9008.** Beaded Ceiling.

Price, per square of 100 square feet.....

**\$3.25**

## Please Read

If you want quick and satisfactory service, give us the length of your rafters and the size of your roof in placing your order with us for any of the above material and we will sort lengths and widths in all grades that will work in to your best advantage.

## Roofing Accessories

Nails per square.....8c  
Lead Washers per square.....7c  
New ridge roll with corrugated apron, per foot.....15c  
Tar paper to lay under the roofing sheets, per roll...35

**\$2<sup>75</sup>**

**Per  
Square**

## Galvanized Corrugated Sheets

Our perfected method of reclaiming and overhauling sheets assures you of a big bargain on this class of material and offers you an opportunity to make a big saving on your roofing or siding.

This is salvage stock, edges and ends squarely trimmed—sheets all re-corrugated, free from holes, sound and durable. All sheets painted red and offered in the following gauges:

**7-A-9001.** 28-gauge, over-hauled, galvanized corrugated sheets.

Price, per square of 100 square feet.....

**\$2.75**

**7-A-9002.** 26-gauge, over-hauled, galvanized, corrugated sheets.

Price, per square of 100 square feet.....

**\$3.00**

**7-A-9003.** 24-gauge, over-hauled, galvanized, corrugated sheets.

Price, per square of 100 square feet.....

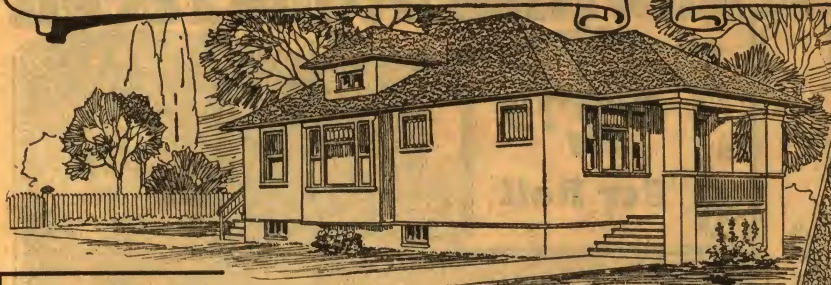
**\$3.25**

**All Prices are  
F. O. B. Cars, Chicago**



# AJAX ROOFING

# RAWHIDE ROOFING



## Wonderful Roofing Values!

We offer you in Ajax Smooth Surfaced roofing, A Real Roofing Value.

The price is not low because it is cheap competitive stock but on account of the rolls running in more than one length to 108 sq. ft.

This stock is Mill Ends of High Grade material, not seconds, offered as follows complete with all necessary nails and cement for laying:

- 13-A-9010.** Ajax Light Weight, per roll.....**\$1.25**  
**13-A-9011.** Ajax Medium Weight, per roll..... **1.55**  
**13-A-9012.** Ajax Heavy Weight, per roll..... **1.90**

**\$ 1<sup>25</sup>**  
**Per Roll**

## Repair Job Roofing!

Repair Job Roofing is offered in response to the demand from our customers for a roofing for repairing old roofs, covering small ones, lining or siding.

The material is classed by the manufacturer as seconds. Rolls run in miscellaneous weight, a great deal of it heavy and medium mixed in the rolls. Dandy material to have on hand.

Can be laid with the smooth or underside exposed, giving the appearance of a smooth surfaced roofing.

For roofing, complete with nails and cement

- 13-A-9016.** Repair Job roofing, Per Roll.....**90c**

For Siding, without nails or cement.

- 13-A-9017.** Repair Job roofing, Per roll.....**75c**

## Tar Paper

Good for basement lining, sheathing, etc., and especially recommended to lay under metal roofing to keep the moisture from accumulating on the underside of the sheets.

- 13-A-9018.** Tar Paper. 108 square feet to roll.....**35c**

## RAWHIDE ROOFING "Tough as its Name"

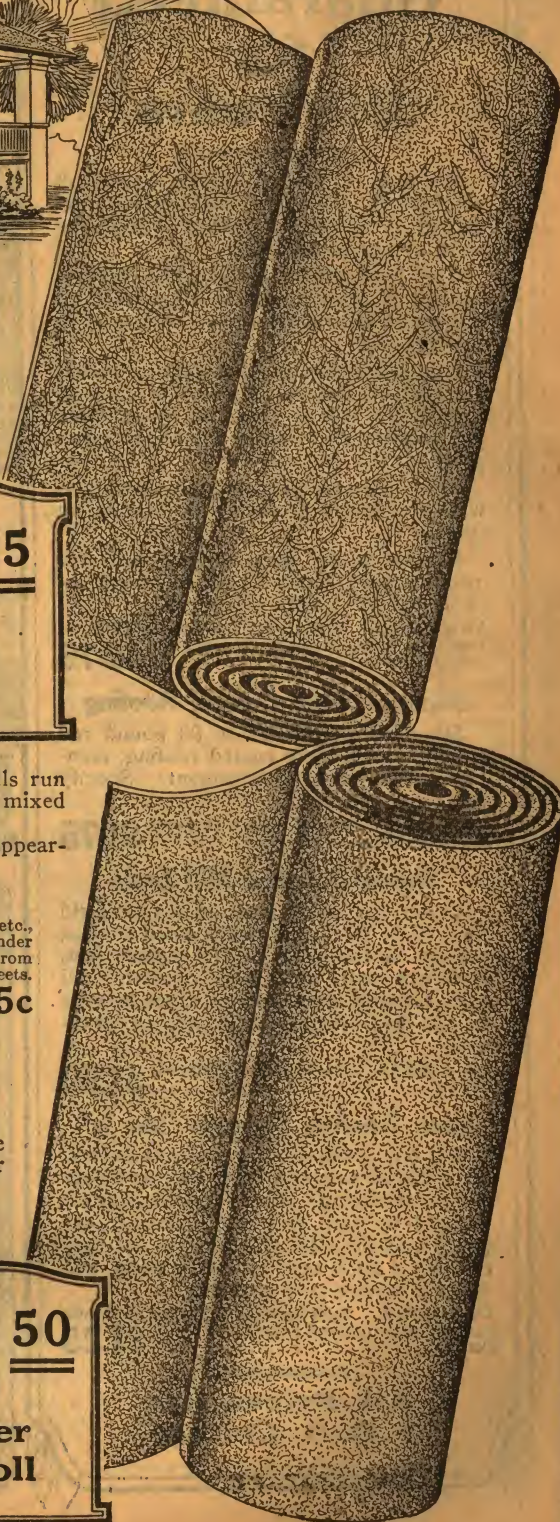
No other name than Raw-hide in its full meaning could be found for this pliable, tough roofing—no need of any other description, the name tells the story.

We know the quality of every ounce of material entering into the manufacture of this roofing—we know every step in the method of its preparation for the market, to the extent that we guarantee to replace free of charge every roll defective in quality within the time of our guarantee.

Why not buy a roofing upon which the burden or its wear rests upon us. Every roll contains 108 square feet and is complete with cement and long or short nails.

- 13-A-9013.** Raw-hide light weight, 8 year guarantee. Price, per roll.....**\$1.50**  
**13-A-9014.** Raw-hide, medium weight, 10 year guarantee. Price, per roll.....**\$1.85**  
**13-A-9015.** Raw-hide, heavy weight, 12 year guarantee. Price, per roll.....**\$2.00**

**\$ 1<sup>50</sup>**  
**Per Roll**





# Gold Medal Roofing

## Rawhide Stone Faced

**Guaranteed  
for  
20 Years**

We replace, free of charge, every roll of GOLD MEDAL ROOFING that proves defective in quality within the term of our Guarantee.

The best grade of felt, the highest quality of asphalt and the best method known of saturating are all combined in this product.

Our perfection in the weather-resisting surface, known to no other class of material, is due to years of experiments and enables us to place the above guarantee on this material.

It is fire and lightning resistant and will not ignite from flying brands or sparks.

Regulation  $\frac{7}{8}$ " nails or long nails for over shingles, packed complete with cement enough to lay every roll.

**13-A-9019.** GOLD MEDAL ROOFING, 20 Year Guarantee, complete with nails and cement. Per roll.....**\$2.75**

### Superior Slate Coated Roofing

Standard weight, 85 to 90 pound red or gray-green slate coated roofing, complete with nails and cement. Specify the color you desire.

**13-A-9020.** Superior slate coated roofing. Per roll.....**\$1.75**

### Special-Selected Mill Ends

Under this heading we offer you brand new, 85 to 90 pound slate coated roofing put up in full rolls of 108 square feet, complete with nails and cement. All rolls running about two to three lengths to the roll—furnished in red or gray-green.

**13-A-9021.** Special selected Mill ends. Per roll.....**\$1.50**

### Slate Roofing Seconds "As Is"

We buy from various manufacturers, slate coated seconds, more or less defective in surfacing. 85 to 90 pounds stock—could be used with the underside exposed and the slate side next to the roof or with a good coat of heavy paint will make a lasting roof covering.

**13-A-9022.** Slate seconds, unselected, full rolls complete with nails and cement. Per roll.....**\$1.25**

**All Prices Are  
F. O. B. Chicago**

**\$2.75**

**Per Roll**



## Slate Coated Roofing

**Red or  
Gray**

**\$1.25**

**Per Roll**





# Asphalt Shingles

## Slate Coated

### Select Your Shingles from Three Different Styles

The shingles we offer are standard weight, new stock, surfaced with natural colored red or grey-green slate. Either style can be laid over sheathing boards, spaced for cedars or on close sheathing. Each square you order will cover 100 square feet of surface, when all lap has been made, quoted as follows:—

**13-A-9030.** Slab shingles, four in one, like illustration at the bottom of this page. Price, per square of 100 square feet.....**\$5.00**

**13-A-8030.** Four in one slab shingles, with the corner of each shingle cut off, giving the entire roof an appearance of Hexagon shingles. This is one of the most artistic pattern of shingles on the market to-day and offered exclusively to the Mail Order Buyers by us. Guarantees two thicknesses all over your roof. Harris Double-tite Shingles. Price, per square.....**\$4.75**

**13-A-9031.** Individual shingles. Same quality as all stock quoted above, running 8x12 1/4 inches in size, laid 4 inches to the weather. Furnished in red or grey-green. Price, per square.....**\$4.95**

#### Shingle Seconds

We offer you the same styles in shingles described above, in red or grey-green coating. Standard weight, but sorted as seconds on account of defects in the surfacing of the shingles—usually can be laid to cover this defective part.

**13-A-9032.** Individual shingle seconds, red or green. Price, per square.....**\$3.75**

**13-A-9033.** Four in one Slab shingle seconds, square butt. Red or grey-green. Price, per square.....**\$3.75**

**13-A-8034.** Harris Double-tite Slate Shingle seconds. Red or green. Price, per square.....**\$3.75**

#### Roll Roofing—Stamped Like Shingles

A limited quantity of 85 to 90 pound roll roofing stamped to imitate shingles or representing Mosaic roofing with inlaid red and grey-green slate.

Each roll will cover 100 square feet and we will furnish long or short nails and cement.

**13-A-9035.** Roll roofing—Shingle Imitation—new stock. Price, per roll.....**\$2.00**

#### Harris Twin Metal Shingles Fire-proof and FIRE RESISTING

We offer standard ornamental metal shingles, easy to lay. Pattern stamped in sheets approximately 14x18 inches, each sheet carrying the imprint of one full and one half shingle.

These shingles are fitted with a special bead d edge, both sides alike, and are lapped over the bead and nailed through the top or through the side on the slant. The upper edge shows a series of grooves, enabling you to regulate the amount of the end lap according to the pitch of your roof.

**7-A-9026.** Harris Twin Metal Shingles—Painted red. Price, per square of 100 sq. ft....**\$4.00**

All Prices Are  
f. o. b. Chicago

**\$3<sup>75</sup>**  
**Per Square  
of 100  
Square Feet**



# The World's Best Cream Separator With All Latest Improvements!

**\$49<sup>00</sup>**

**Buys the World's Best  
Cream Separator**

**3% Cash  
Discount**

**Also Sold on  
Easy Time  
Payments**

**EASIEST  
To Oil  
To Clean  
To Turn  
To Own**



**Triple  
Tin Plated  
Anti-  
Splash  
Supply  
Tank**

**Speed  
Indicator  
Insures  
Proper  
Speed  
at All  
Times**

**Harris Cream Getter No. 3  
Capacity 375 lbs. Per Hour**

**Harris Cream Getter No. 3  
Capacity 375 lbs. Per Hour**

## "Harris Cream Getter"

### The Cream Separator with the Wonderful Record

You can buy this Separator now on its record for complete satisfaction. Never have we handled an article which has made such a wonderful record. We have shipped them in all sizes, all seasons of the year to all parts of the country. "Cream Getters" have met every farm test and have been found as represented.

This is the latest model produced by expert Separator builders in one of the finest, best equipped, and most modern factories in the world.

### Easiest to Handle

Only one tool is required in the daily handling of the Cream Getter, and that is the spanner part of the combination wrench. All other parts are assembled by hand. Lubricated by an oil splash system which never fails or goes wrong.

### Exclusive Patented Improvements

The most important exclusive improvement, and one that makes the Harris Cream Getter stand apart from all other separators is the patented equal milk distributor. This is a simple little sleeve placed in the very "heart" of the machine. It distributes equal portions of whole milk to all parts of the bowl, thereby insuring quick, and clean skimming.

In the splendid construction of the Harris Cream Getter is also embodied the patented safety clutch, straight faced worm gear, patented neck bearing spring. All shafts, bearings and parts subject to wear are made of the very best material obtainable for their purpose, thereby insuring long life and easy operation.

It is equipped with an anti-splash supply tank, speed indicator and metal bushed handle. All parts coming in contact with the milk are triple tin plated.

The frame castings are smoothly ground and heavily coated with hard, glossy navy blue enamel, baked on; artistically striped with red and gold.

With our extremely low prices and liberal terms of payment you cannot afford to be without the Harris Cream Getter another day.

## Unlimited Guarantee!

We guarantee the Harris Cream Getter Cream Separator to be the best you can buy regardless of name, price or make.

We guarantee that if, after you get the Cream Getter, within reasonable time you find you can get any other make at any price which is better according to capacity, we will give you return shipping instructions and refund all of the money you have paid us on the Cream Getter, plus freight charges.

We guarantee the Separator against defects in material and workmanship as long as it lasts and that we will supply repair parts should any ever be needed.

## Most Liberal Trial

Regardless of whether you send cash in full with order or buy your machine on easy time payments, your Harris Cream Getter will be sent you subject to trial for any reasonable time.

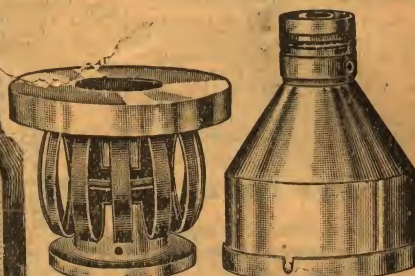
This most liberal of all Trial Offers must convince you, beyond all question of doubt, that any Harris Cream Getter Cream Separator is all that we claim for it. This will further prove to you that these machines are not merely built to do the work for a limited time of a short trial period, but will give you the service and satisfaction you have a right to expect for many years.



# -and the Greatest Offers Ever Made!

## Exclusive Patented Features Everywhere!

These Two Parts of the Harris "Cream Getter" Machines Are Carefully Made and Far in Advance of Any Other Construction.



After the machine is started, this Patented Elliptical Neck Bearing Spring automatically regulates the bowl to rotate on a positive center. It allows the bowl freedom of motion without wear to any surface.

Detachable Sanitary Bowl Easily Lifted Off of the Spindle for Washing. The inside of the bowl is as easily cleaned as the inside of a tea-cup, being covered with three coats of tin and smoothly finished.

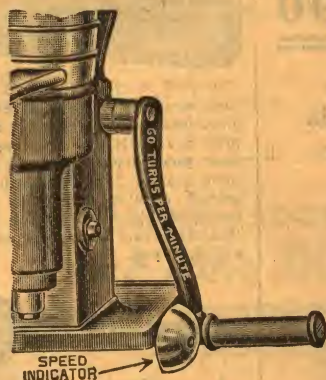


The discs and distributing sleeve are handled as one single piece. By lifting the discs and sleeve from the bowl, every surface coming in contact with the milk is fully exposed and easily cleaned.

The above illustration shows the method of inserting the patented equal milk distributing sleeve in the discs. It is simply slipped into place so that all discs can be handled as a single unit.



### Alarm Bell Speed Indicator



It is important and very convenient to know when your machine is running at just the right speed to get maximum results from your Cream Separator. This simple speed indicator bell attached to the handle of all "Harris Cream Getter" Separators will promptly remind the operator when the machine is not running at the correct speed. This attachment, like all other important improvements, is exclusive with "Harris Cream Getter" Machines.

### The Exclusive Patented Equal Milk Distributor

An ingenious device that sets the Harris Cream Getter apart from all other separators on the market today. It is placed in the "heart" of the machine and distributes the whole milk to all parts of the bowl, serving all discs equally and efficiently. The same capacity is now maintained with one-fourth less discs than are used in old style bowls. It prevents the loss of cream and does the work more quickly and easily and insures clean skimming.

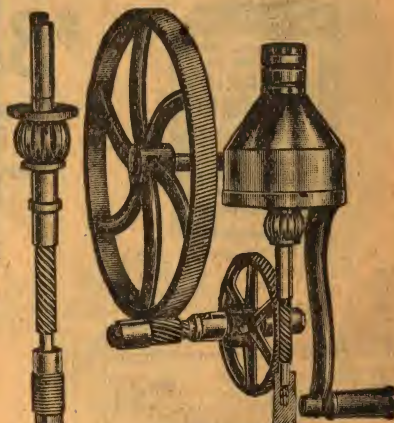
The right hand portion of the above cut is a phantom view of the bowl and illustrates importance of the Exclusive Patented Equal Milk Distributor.



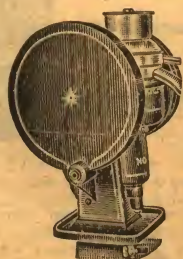
### Noiseless Safety Clutch

Prevents any possibility of injury to the gearing; positive and automatic in action. Made of finest steel, unbreakable and perfect in operation. Illustration shows the clutch disengaged as when the driving gear is stopped and the bowl continues to spin without further work from the operator.

### The Improved Gearing in the Cream "Getter"

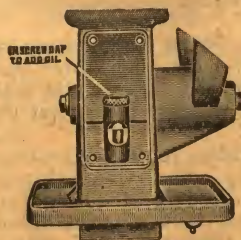


Showing the simple perfected gearing and clutch. The large gear and pinion are cut with helical teeth, thus guaranteeing quiet running, and ease of operation. The worm wheel is of the best grade of phosphor bronze, cut with helical, straight-faced teeth, insuring the longest possible life by being able to adjust the wheel to different positions after years of service. The pinion and entire clutch is made of the very best grade of steel, properly hardened. The spindle is of the highest grade of tool steel and ground absolutely to size.



### Enclosed Safety Gear

The large Gear is completely enclosed, eliminating accidents and preventing dust and dirt from getting into the gearing. The Oil Drip Shelf with Drain Faucet prevents oil or spilled milk dripping on floor.



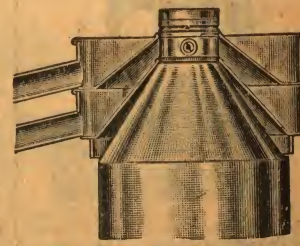
### Glass Oil Gauge

No dirt-clogged oil holes to deal with. All parts are perfectly lubricated, receiving a steady, economical supply of oil from the centrally located oil supply. Note the glass oil gauge which indicates the oil supply at all times.



### Easily Cleaned

A convenient non-rusting disc holder is sent with all machines. This holder allows the disc to come apart and makes it easy to get between them for thorough cleaning.



### Cross Section

Here is a cross section of the cream and milk spouts as they are placed above the bowl. A feature of Harris Cream Getter Separators is found in the triple tin plated parts.



# The Easiest Cream Separator to Own

## Most Liberal Terms and Low Prices!!

### Plan No. 1

**THREE PAYMENTS**—One-third with your order and balance in two long-time payments.

Send us one-third of the price with your order, the balance to be paid in two equal payments—one-third in 2 months; balance in 4 months. Under this plan we are forced to make a slight additional charge of \$2.50 for exchange and bookkeeping.

### Plan No. 2

Purchase price to be deposited with your banker for 30 days.

Send with your order a letter from your banker that the purchase price is deposited with him to be sent to us after you have convinced yourself. 30 days should give you sufficient time to make up your mind.

### Guaranteed 1923 Prices

You can't buy a Separator of similar design and weight and approximate quality as cheaply as the "Cream Getter." We can afford to sell them at these low prices because the record each "Cream Getter" makes will cause sales of other Separators. Prices include all accessories F. O. B. Lancaster, Pa., Chicago, or St. Paul, Minn., Warehouses. See next page for Power Pulley equipment.

Order Number	Size Number	Capacity Per Hour Pounds	Shipping Weight Pounds	Introductory Prices
*27-A-100	1	175	80	\$34.95
*27-A-200	2	250	85	\$38.90
*27-A-300	3	375	170	\$55.50
*27-A-500	5	500	175	\$59.95
*27-A-700	7	750	225	\$68.00
*27-A-900	9	950	230	\$75.00

3 per cent. Discount for Cash in Full with Order.

Equipped with Multiple-Disc Clutch Pulley, \$8.00 extra.

Equipped with Electric Motor, \$55.00 extra.

Be sure to state Voltage, and whether Alternating or Direct Current. If Alternating, also Phase and Cycle.

\*Indicates Table Size.

### Your Old Cream Separator Taken as Part Payment

Here is your one big opportunity to rid yourself of that time, labor and cream wasting machine you are now using. We will take your old separator off your hands and accept it as part payment, allowing you a liberal amount toward the purchase of your Harris "Cream Getter." Be sure to mention the make, capacity and condition of your old machine and the size of the Harris "Cream Getter" which seems to meet your requirements. You need not send us your old separator until you try your new Harris "Cream Getter."

### Plan No. 3

Cash in full. This secures for you an additional saving of 3%.

Everyone knows that a better price can be made if a full remittance is made with the order. We allow a discount of 3% for remittance in full before shipment. Get the benefit of this extra saving. You are protected by our unlimited guarantee.

### Plan No. 4

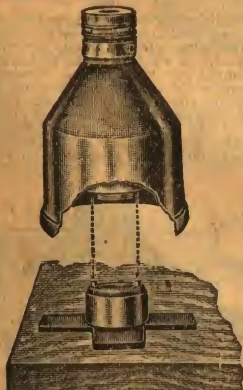
Name your own terms if for any reason the above do not suit you.

We cannot judge the circumstances of all who need "Cream Getters." If other plans do not suit, send your order with a first payment of what you can spare; then state how you wish to pay the balance of Plan No. 1 price.

## Table Size Harris Cream Getter Separators!



With each Harris Cream Getter Separator we furnish one quart of the finest lubricating oil in a can with convenient spout. This oil is also sold separately.  
**9-A-10819.** Guaranteed Separator oil.  
 Quart.....\$0.35  
 Gallon.....1.25



The above illustration shows the bowl vise which is furnished with each machine. This vise is securely attached to your table top, its purpose being to grip the bowl when taking it apart. No matter how tight the nut is fastened, it is a simple and easy task to loosen it with the aid of this vise.

**\$34<sup>95</sup>**

Capacity  
175 Pounds  
Per Hour



**\$38<sup>90</sup>**

Capacity  
250 Pounds  
Per Hour

The table size "Harris Cream Getter" separators are intended for the dairy where not more than three cows are being milked. These little machines do splendid work, getting all of the cream—the only requisite being that they be attached to a solid, rigid table.

The same exclusive patented features found in the larger sizes will be found in these machines. The same high grade tinware, triple coated to prevent corroding—the anti-splash tank—the exclusive patented equal milk distributor—the gearing and general high grade construction of "Harris Cream Getter" machines has been carefully carried out in these two small sizes.

See the table above for numbers, sizes, capacity and prices of these machines. You can own either of them under our liberal terms.



A spirit level is furnished with each separator. Place it several directions across where the skim milk cover fits. It is necessary that your separator be placed upon a solid, level foundation to secure greatest efficiency and the perfect work which any "Harris Cream Getter" separator will give you.



A combination machine wrench, power wrench and screw driver is furnished with each machine. This is the only tool you require to take the different sections of the machine apart and perfectly adjust it. A high grade tool made of best drop forged, properly tempered steel.



Two cleaning brushes of proper length and size are furnished with each machine, which enables you to keep your separator spotlessly clean at all times. These brushes are made of select materials and will last years with ordinary care and usage. To facilitate the handling of the discs, a disc holder of sufficient length is furnished to permit you to spread the discs apart so all surfaces can be thoroughly cleaned.



## We Have a Few Sharples Tubular "A" Separators Left from Our Gigantic Sale Just Closing!

Many thousands of our customers recommend the Sharples Tubular "A" Cream Separators to be efficient, easy to clean, easy to oil, and easy to run. Mr. P. M. Sharples, President of the Sharples Separator Company, built the first Cream Separator manufactured in America. The Sharples Separator Company have been in operation for over 35 years and are well known for the high quality of their workmanship.

### The Excellent Principle of Construction and Operation

The tubular bowl has only three parts and is  $2\frac{3}{4}$  inches in diameter. This rotates at a high speed, accomplishing complete separation with ease. All gears are inclosed in the top section of the frame and are lubricated by an oil-splash system. There are no oil holes or oil cups to watch or fill up with dust. These gears can all be plainly seen by simply lifting off the gear cover. Anyone can understand how to operate, regulate and repair the separator if necessary from information given in the instruction book.

### Low Quick Sale Prices

27-A-90. Shipping weight, 314 lbs., with 14-inch Clutch Pulley.....	\$60.00 NET
27-A-91. Shipping weight, 300 lbs., without Pulley.....	55.00 NET



## Friction Clutch Pulleys for Any Make of Separator

SPECIFY MAKE, MODEL, NUMBER, CAPACITY AND DIAMETER OF CRANK SHAFT

### Harris Cone Clutch Pulley \$4.95

This is an exceptionally well designed and constructed pulley. Its simplicity accounts for the very moderate price. Is very easy to place on the separator and simple to operate. By gradually tightening the hand nut, will bring the separator up to normal speed without jerks or undue strain. 14 inches in diameter,  $2\frac{3}{4}$  inch crown face. Shipped from Chicago. Weight 15 lbs.



No. 27-A-125.....	\$4.95
No. 27-A-126. 4-inch extension hub.....	5.50

## The Harris Governor Pulley and Line Shaft Sets

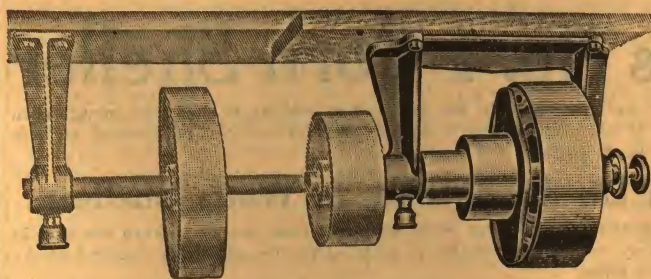


Illustration shows the Harris Governor Pulley connected with line shaft which we designate as line shaft set No. 3. The Governor Pulley as sold separately is shown by the heavy shaded portion to the right.

This Governor pulley will prolong the life of a Separator or other machine. It operates between the power and the machine, regulating speed, absorbing all jerks and irregularities of power, thus saving wear and damage. Made of the best materials obtainable. Nothing to wear out in years of operation. Length, 15 in.; large pulley, 9 in., with 3-in. face; middle pulley, 4 in. and smallest pulley  $2\frac{1}{2}$  in., with  $2\frac{1}{2}$ -in. face. Length of bearing,  $6\frac{1}{4}$  in., weight, 40 lbs. Can be attached to side wall or stand. SHIPPED FROM FACTORY IN WISCONSIN.

No. 27-A-101. Price of Governor pulley without wood base.....	\$9.75
No. 27-A-102. With extension shaft and extra pulley, 6 in. by $2\frac{1}{2}$ in.....	\$11.75
No. 27-A-103. As illustrated set No. 3. Two extra pulleys, 6 in. by $2\frac{1}{2}$ in., and 8 in. by $2\frac{1}{2}$ in., with $\frac{3}{4}$ in. line shaft, mounted on wood base. Length, 4 feet, 4 inches. Weight, 70 lbs.....	\$19.50
No. 27-A-104. Same as above except provided with two 6 in. by $2\frac{1}{2}$ in. pulleys and one 8 in. by $2\frac{1}{2}$ in. pulley on 13/16 in. shaft. Mounted complete on wood base. Length over all 8 feet 4 inches. Weight about 110 pounds....	\$25.50
No. 27-A-105. Same as Outfit No. 104 but provided for still larger range of duty. In addition to the Standard Harris Governor Pulley, No. 5 is provided with two 6 in. by $2\frac{1}{2}$ in. pulleys, one 4 in. by $2\frac{1}{2}$ in., one 8 in. by $2\frac{1}{2}$ in. and one 10 in. by $3\frac{1}{2}$ in., on 13/16 in. shaft, all with extra hangers and mounted on substantial wood base. Length over all 12 feet 4 inches. Weight about 160 pounds.....	\$36.25

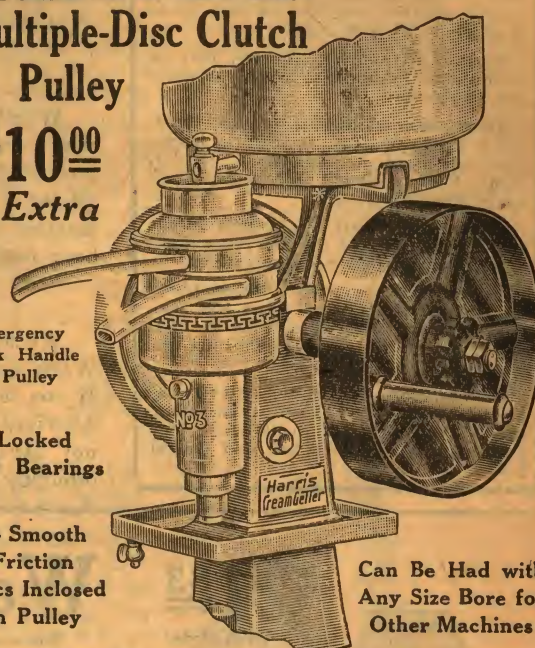
### Multiple-Disc Clutch Pulley

\$10<sup>00</sup>  
Extra

Emergency  
Crank Handle  
on Pulley

Locked  
Ball Bearings

14 Smooth  
Friction  
Discs Inclosed  
in Pulley



Can Be Had with  
Any Size Bore for  
Other Machines

This pulley is especially designed for "Cream Getters" and no pains have been spared to make it absolutely perfect. Best to be had for any make of separator. It has 14 small discs, each alternate one with an extension which engages a lug on the inside of the sleeve. When hand nut is loosened, these will slip without turning shaft. Slowly tightening the hand nut will gradually bring the separator up to skimming speed, without strain on the gearing. Extra well made and finished with hub extended,  $5\frac{1}{2}$  in. Has locked-in ball bearings. Finished to match "Cream Getters." Crank handle to be attached if power falls. 12 inches in diameter. 2-inch face. Weight 24 lbs. \$10.00  
No. 27-A-130. Specify size of bore. Pulley only.....

### Brush Set 35 Cents For Any Disc Separator

This set comes in a cardboard carton and contains one wood handle bowl brush for cleaning separator bowl and discs, one spout brush and one small brush for cleaning bowl necks, tubes, etc. Good quality bristles.

No. 27-A-128. 35c  
weight 5 oz.....



### Cream Separator Repair Parts

Harris "Cream Getters" are guaranteed to you, and we will replace, free of charge, all repair parts which will come within the terms of our guarantee. Either through accident or through honest wear, your separator is bound to need renewal or repair parts at some time. When ordering repair parts give full description as shown in the price list, giving the number, name and price of the part, together with the serial number and size of your separator. If you do not have a price list on hand, describe the parts to the best of your ability or send us in a sample, making sure that you specify the name, serial number and capacity of your separator. Also the date of purchase. Send order for parts with remittance, according to the list price, or estimate what you think the parts would cost. Always be sure to remit enough to include postage, and we will refund the balance in all cases.



# Famous Watts Corn Shellers

## A Few Reasons

**Why You Too Should Own  
A WATTS—And NO OTHER**

Because Watts Corn Shellers, in all sizes, are "The World's Best" machines; still you can buy them from us under most liberal terms, at big price reductions.

Because these shellers are the most simple machines of their kind ever built—about one-tenth the number of working parts as compared to other corn shellers—nothing to get out of order. No delays or waiting for repairs.

Because of their splendid construction and durability—no springs and nothing to wear out. Fewer bearings—less wearing parts.

Because they are the most economical corn shellers to operate. They give you greater capacity and require less power than any other corn sheller.

Because of their big capacity, they do your shelling in the least possible time and get all the corn.

Because they will shell corn in any condition. Irregular sizes, smallest to largest size ears—hard or soft—green or dry. Watts Shellers always shell perfectly and never crack the kernels.

Because any Watts Sheller gets all the corn on the cobs and will pay you a profit on the corn you have not been getting.

Because they have been manufactured and distributed for many years and have always proved themselves to be the best and most efficient corn shellers on the market.

Because there is a size to meet every requirement featuring finest workmanship, greatest durability, utmost efficiency, biggest capacity, least power and lowest prices.

## The World's Best Corn Shellers Now Offered at Prices So Low and on Terms So Reasonable You Should Not Delay a Moment Longer

Even though you have no immediate use for a corn sheller, we urge you to buy now. All machines in stock at the present time ready for immediate shipment are made from material purchased by the Watts Manufacturing Company before the big price advances of the past year.

Corn growers in every section of the country are getting the full benefits of this great sale. Wherever corn shellers are used, you will find these Watts Machines the world's best strongly represented—the choice of men who know.

And remember, this great sale of ours not only offers these famous machines at big price reductions, but you can now buy your Watts Sheller under most liberal terms of payment, as fully outlined on the pages which follow.

## 30 Days' Free Trial

Whether you send us cash in full with your order, deposit the money with your banker or buy your corn sheller on time in three payments, we want you to distinctly understand that your purchase is made under our liberal 30-day Free Trial. This will give you sufficient time to test and use the machine on your own work and convince yourself of the splendid purchase you have made.

## Liberal Guarantee

We insist that you be satisfied in every way with your purchase of any Watts Corn Shelling Outfit before we will consider the transaction closed. If you do not find the corn sheller sent you to be exactly as pictured and described in the pages of this book—or if for any reason whatsoever you are not satisfied, your money, including all transportation charges, will be promptly returned without question or quibble.

**\$21<sup>83</sup>**

Cash With Order



75 Bushels  
per Hour

3 H. P.  
Engine

*This is the smallest of the Watts Corn Sheller line. Recommended for shelling feedcorn.*

## Watts No. 1 Corn Sheller

This sturdy little machine is just the size for the man wishing to shell only enough corn for his own needs. It has a capacity of 75 bushels an hour and can be operated to best advantage with a 3 H. P. engine.

## The Ears Do the Shelling in Watts Shellers

A heavy cast iron cylinder, with lugs set in staggered rows, serves to keep the ears in motion. These lugs are set in spiral fashion so as to carry the cobs from one end of the shelling jacket to the other.

The No. 1 Watts Corn Sheller has proven to be very popular among stock feeders and farmers with small power. It shells the corn clean from the cob. When so desired, the bran and soft tips of the cobs can be removed with the corn. Many feeders are replacing their cob crushers with a Watts No. 1 Sheller. This machine will shell ears of any size, in any condition, if clean husked.

**36-A-900.** Watts No. 1 Sheller, capacity 50 to 75 bushels per hour, length 5 feet 5 inches., width 3 feet, height, 3 feet 9 inches, speed, 800 R. P. M., equipped with 8x4 inch drive pulley. Weight 180 pounds. Price, cash after 30 days **\$22.50**

## An Important, Exclusive Feature of Watts Construction

The heavy cast iron cylinder, illustrated at the right, is what does the work in the Watts No. 1 and No. 4 Shellers. It is mounted on a heavy steel shaft running in babbitted bearings. The lugs serve to keep the ears in motion, and being set on the cylinder in spiral fashion, carrying the cobs from one end to the other, the Watts Sheller cleans the cob without cracking the kernels.

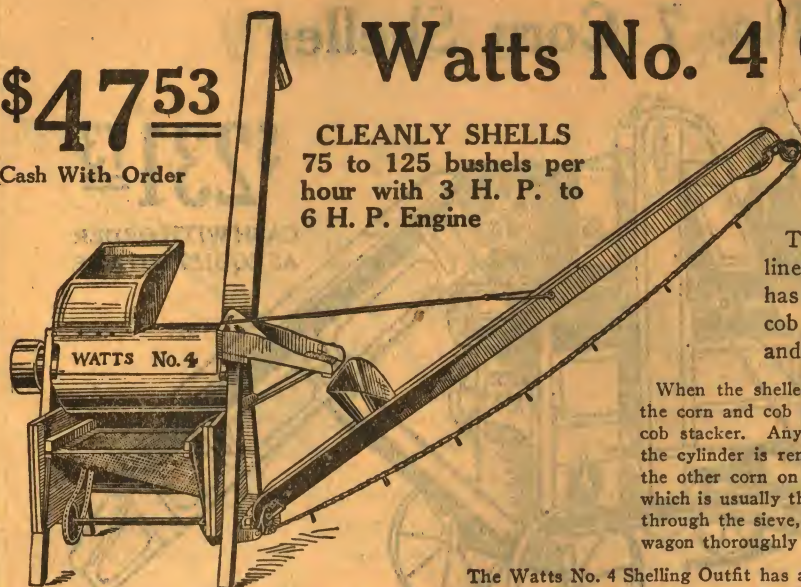




# At Big Price Reductions!

**\$47<sup>53</sup>**

Cash With Order



## Watts No. 4 Corn Sheller

**CLEANLY SHELLS**  
75 to 125 bushels per  
hour with 3 H. P. to  
6 H. P. Engine

**To Take Care of Your Own Needs  
and Those of a Few Neighbors**

This machine is constructed along the same lines as the Watts No. 1 Machine, except that it has a larger capacity and is equipped with a cob stacker and grain elevator. It shells, cleans and loads all the corn and stacks the cobs.

When the shelled corn leaves the shelling jacket, the separation of the corn and cob takes place instantly. The cobs are elevated by the cob stacker. Any corn which remains on the cobs after they leave the cylinder is removed by the oscillating sieve and drops down with the other corn on the cleaning sieve. In this way the corn is saved which is usually thrown out with the cobs. When the corn drops down through the sieve, it is spouted upward through the elevator into your wagon thoroughly cleaned by the cleaning fan.

The above illustration shows a Watts No. 4 Corn Sheller. It is 6 ft. long, 3 ft. wide, 4 ft. high. It is furnished complete with 9½ ft. corn elevator and 8 ft. cob stacker. Lagged drive pulley 8 in. diameter, 4 in. face, speed 800 R. P. M. Shipping weight, complete as illustrated, 440 lbs.

The Watts No. 4 Shelling Outfit has a capacity of from 75 to 125 bushels per hour and can be operated with utmost efficiency from any engine developing from 3 H. P. to 6 H. P.

This machine and all other sizes of Watts Shellers are sold through either of three plans, which are described in detail at the foot of this page. And remember that, regardless of which plan of payment you choose, you are under no obligations to keep the machine if after 30 days you find that it does not do every bit as much as we claim for it.

**36-A-901.** Watts No. 4 Corn Shelling Outfit, with cleaning system, cob stacker and grain elevator, complete; cash after 30 days..... **\$49.00**

## Watts No. 4 Corn Sheller Complete With Automatic Feeder

This machine is identical with the No. 4 Sheller, but in addition it is equipped with an automatic feeder.

An automatic feeder is a very valuable asset to a corn shelling outfit in that it keeps the shelling chamber filled to just the right capacity to insure the greatest output of shelled corn at all times. It saves labor, time and corn.

The Watts No. 4 Corn Sheller with automatic feeder is just the outfit for the man who wishes to do all of his own shelling and in addition do some shelling for his neighbors.

This outfit is backed by the same liberal guarantee and is sold under the same terms that have made all sizes of Watts Shellers so popular among corn feeders everywhere. The 30-day free trial offer also applies to this outfit.

The difference in sale prices on this machine complete with automatic feeder and the Watts No. 4 without the feeder is but a matter of a few dollars that will be quickly saved in time, labor and corn.

**36-A-902.** Watts No. 4 Corn Shelling Outfit, complete with an automatic feeder, cleaning system, cob stacker and grain elevator. Price, cash after 30 days..... **\$65.00**



**\$63<sup>05</sup>**

Cash With Order

**Capacity 75 to  
125 Bushels Per  
Hour with 4 H. P.  
to 6 H. P. Engine**

### Cash With Order

**Plan No. 1** By sending cash in full with your order, you will be allowed a discount of 3 per cent from the sale price mentioned at the end of the descriptive matter with each machine.

### Cash After 30 Days

**Plan No. 2** If you wish to examine and use the corn sheller for 30 days, send us a letter from your banker stating that the full sale price has been deposited with him, and will be sent to us when you are fully satisfied.

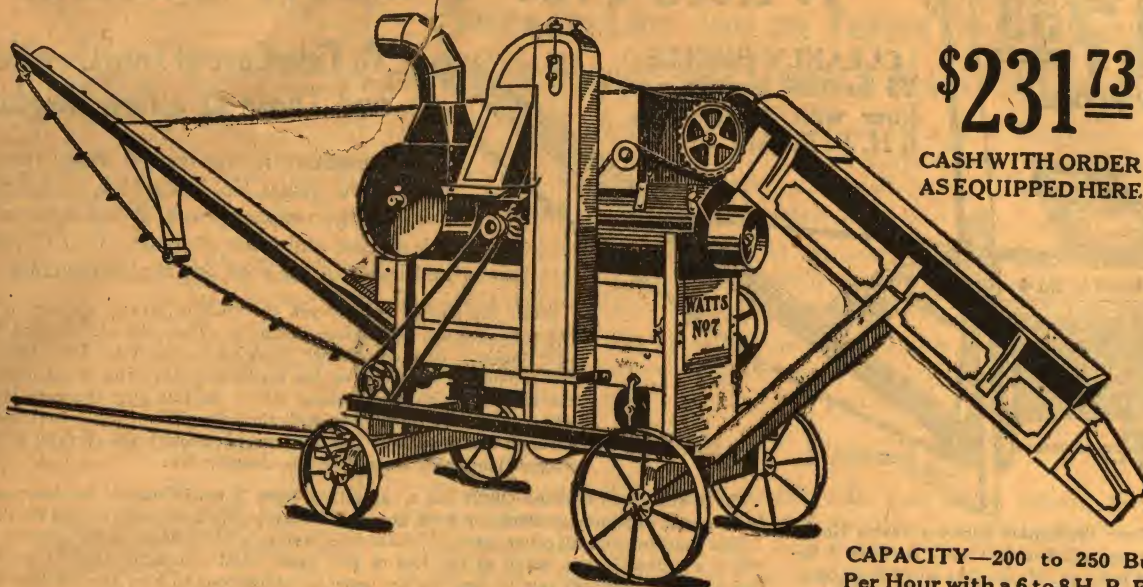
### On Time--3 Payments

**Plan No. 3** An extra charge of \$2.50, on either the No. 1 or No. 4 and \$5.00 on the No. 7 machines is necessary under this plan. Send one-third of the amount with your order and blanks will be sent for your signature for balance to be paid one-third in two months and one-third in four months.



# The Best Corn Shellers Made!

## Watts No. 7 Corn Sheller



**\$231<sup>73</sup>**

CASH WITH ORDER  
AS EQUIPPED HERE

CAPACITY—200 to 250 Bushels  
Per Hour with a 6 to 8 H. P. Engine

The Watts No. 7 Corn Sheller is an excellent investment for you if you wish to do contract shelling. This machine will shell your corn quickly in or out of the husk.

The corn passes thru three separate cleaner sieves in the machine. The Watts No. 7 is also equipped with a husk and dust fan, the outlet of which is operated on a swivel point, permitting the operator to blow the husk and dust in any desired direction.

### Watts No. 7 Corn Sheller with Standard Equipment

Watts No. 7 Corn Sheller with cob stacker, sacking elevator, type "R" feeder, mounted on steel trucks. Price.....	<b>\$239.00</b>
36-A-903—Watts No. 7 Corn Sheller with wagon box, grain elevator cob stacker, type "R" feeder, mounted on steel trucks. Price.....	<b>\$240.00</b>

### General Specifications

Capacity, bu. per hour: Clean husked, 200 to 250; corn in shuck, 50 to 75.  
Engine Power: 8 to 10 H. P.  
Speed: 800 to 1,100 R. P. M.  
Weight, mounted with standard equipment: 1,400 lbs.

Weight of swivel extension: 300 lbs.  
Height to top of hopper, mounted: 6 ft. 9 in.  
Length of sheller only, 6 ft. 3 in.  
Width of sheller only: 2 ft. 7 in.  
Size of drive pulley: 8 in. by 6 in.

### Additional Equipment

"R" Type Feeder, 7 feet long, separate track chains used, with individual tighteners, securing equal tension at all times. No chance for clog in hopper, no matter how fast you feed, or of feeder buckets catching and breaking chain. Price.....**\$20.25**  
"S" Type Feeder, 10 feet long, double chain, with straight bucket. Price.....**\$27.00**  
Sacking Elevator, 4 feet long. Price.....**\$19.00**  
Wagon Box Elevator, 9 feet with swivel elbow, allowing change without stopping. Price.....**\$20.00**

Cob Stacker, Straightway, 12 feet long. Price.....**\$17.00**  
Swivel Extension Feeder, 12 feet long, single chain, with straight bucket. Price.....**\$31.50**  
Horse Hitch Team Truck, 16x22 inch wheels, 2½x¾ inch tires, quick detachable tongue, 48 inch thread. Price.....**\$31.50**  
**36-A-901.** Watts No. 7 Corn Sheller, with cleaning system and check fan. Only.....**\$151.00**

NOTE:—When swivel extension feeder is required, the "S" Type of feeder must be used.

### Vital Parts of the Watts No. 7 Corn Sheller



Two important features of Watts splendid construction are shown above. The picker wheel is continually revolving directly in front of the cob outlet. This prevents any possibility of wet husk hanging to the cob throat. It requires no adjustment and need not be removed when shelling clean husked corn. The other illustration shows the cylinder used in this sheller. Note the lugs in staggered rows and the adjustable feed wings.



# Under Most Liberal Terms!

## Watts No. 8 Double Cylinder Corn Sheller



**\$446<sup>20</sup>**

Equipped with Wagon Box,  
Elevator, Swivel Cob Stacker,  
Feeder, 14 ft. Swivel Extension  
Feeder and 10 ft. Intermediate  
Section

Here is a machine that has established an enviable record and lasting reputation among extensive corn growers who shell their own crops and do large custom work. It is an ideal machine on the road, in the elevator or mill. Built for winter custom work because it is easily transported from one job to another over bad roads.

The same construction plan of simplicity, durability and utmost capacity from least power found in the smaller size Watts Shellers has been carefully followed in this big capacity custom machine. The double cylinder arrangement operates on the same excellent principle as featured in the other sizes.

In the No. 8 Sheller, two shelling cylinders are used instead of one. These cylinders are enclosed in separate shelling chambers and revolve in opposite directions. All the ears can run through both cylinders. As each ear must pass through both shelling jackets, it is stripped clean before reaching the cob outlet. It is not necessary to hold back the cobs with a gate to insure a clean job, except when shelling extremely wet tough corn. This takes less power as the cob opening can be made nearly as large as the hopper opening.

The double cylinder method also insures a better job of cleaning than can possibly be obtained with a one cylinder sheller of light capacity, for the reason the shelled corn falls through the entire length of both shelling jackets in a scattered condition onto a cleaning shoe, instead of being carried to one side or end and poured in one large stream onto a sieve. The fact that Watts Shellers do the work with a large cob outlet insures less breakage of cobs than with a single cylinder machine.

The corn passes thru three separate cleaner sieves in this machine. The Watts No. 8 is also equipped with a husk and dust fan, the outlet of which is operated on a swivel point, permitting the operator to blow the husk and dust in any desired direction. A husk sack is also furnished with the regular equipment.

36-A-905—Watts No. 8 Custom Corn Sheller, equipped with wagon box elevator, swivel cob stacker and feeder, mounted on steel trucks. Price..... **\$390.00**

### General Specifications

Capacity—Bu. per hour in husked corn.....600 to 800  
Power, gasoline or kerosene.....12 to 15 H. P.  
Speed.....800 to 900 R. P. M.  
Size of Drive Pulley.....10 x 6 in.  
Weight mounted.....3,000 lbs.  
Height to top of Hopper, mounted.....7 ft. 6 in.  
Height to top of Hopper, without Trucks.....5 ft. 9½ in.  
Width.....34½ in.  
Length (not including Feeder and Stacker).....7 ft. 10 in.  
Length, mounted (not including Feeder and Stacker).....9 ft. 3½ in.

Wagon Box Elevator—Nine feet high, equipped with swivel elbow, permitting the changing from one wagon to another without stopping the Sheller. The elevator swings from the center. One bolt removed from the bottom and the elevator swings to a horizontal position.

Straight-Away Feeder—Twelve feet long, hinged at top and equipped with windlass. Double strand chain, straight bucket type.

Swivel Cob Stacker—Fourteen feet in length; can be swung to any desired angle while Sheller is in operation. Also equipped with windlass for raising and lowering while machine is running.

Steel Team Truck—24 by 34-inch wheel, 3x3½-inch tires, 54-inch tread. Everything is steel but the tongue.

### Additional Equipment

14 Ft. Swivel Extension Feeder.....\$45.00 10 Ft. Intermediate Section.....\$25.00

#### Cash With Order

**Plan No. 1** By sending cash in full with your order, you will be allowed a discount of 3% from the sale price mentioned at the end of the descriptive matter with each machine.

#### Cash After 30 Days

**Plan No. 2** If you wish to examine and use the Corn Sheller for 30 days, send us a letter from your banker, stating that the full sale price has been deposited with him and will be sent to us when you are fully satisfied.

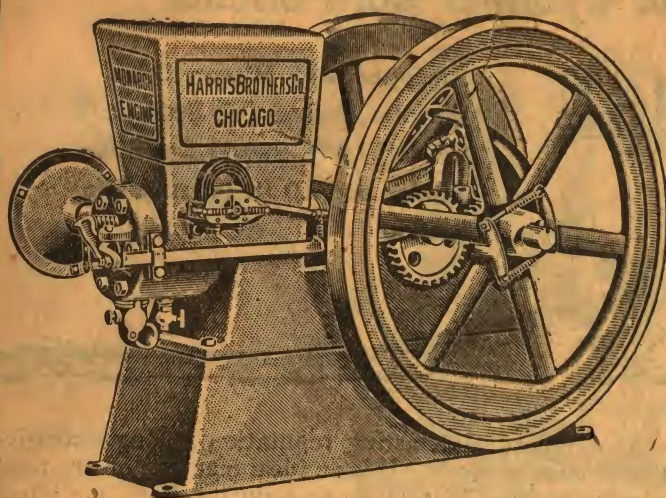
#### On Time—3 Payments

**Plan No. 3** An extra charge of \$5.00 on either the No. 7 or No. 8 machine is necessary under this plan. Send us one-third of the amount with your order, and blanks will be sent for your signature for the balance, to be paid one-third in two months and one-third in four months.



# Reliable Monarch Engines

BUILT FOR GASOLINE OR KEROSENE



## Gasoline Engines

$1\frac{3}{4}$  to 7 h. p. **\$45<sup>00</sup>** and Upwards

They Embody All Latest and Best Improvements

Monarch Engines are Simple in design and trouble-proof

MONARCH GASOLINE ENGINE ON CAST SUB BASE

Throttle Governor  
insures smooth  
operation

Easily starting  
made certain by  
vaporizing fuel

Speed regulator  
adjustable while  
engine is running

Water spray valve  
for vaporizing  
fuel

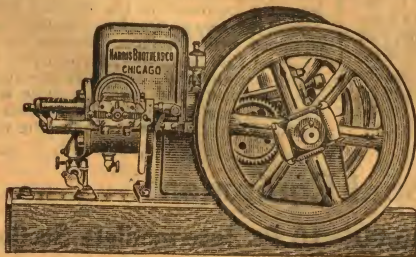
Fuel economy:  
One-tenth gallon  
fuel per h.p. hour

Conservative rat-  
ings develop 20 per  
cent over ratings  
shown

## These Celebrated Engines —now built for Harris Brothers Co.

THE BUILDERS of these high grade engines, like many other leading manufacturers, were willing to make the necessary price concessions in order that we might use our wonderful sales organization to acquaint thousands of engine users throughout the country with the one real successful gasoline or kerosene engine. Although they have been continually built and distributed for many years, this is positively the first time in their entire history that they have sold direct to the consumer at a price reduction. In every way we have investigated by actual test and convinced ourselves that Monarch Engines are the world's best before we were ready to distribute them. Read the conditions of our liberal terms, our free trial and guarantee forever—the greatest engine offer ever made.

Monarch Engines are all made complete by one of America's best equipped engine builders. The improved construction embodies all newest and best features with many additional exclusive points of merit. Always sure starting and steady running under any and all conditions. They are constructed throughout of finest material beautifully finished in red enamel artistically striped. Some of the main important features are the detachable cylinder head, perfect poppet valves, malleable iron "I" beam connecting rod, Webster oscillating magneto on all sizes. Note the additional features mentioned at the side of these pages.



1 1/4 H.P. Monarch Gasoline Engine

No. 36-A-120. This Monarch Gasoline Engine is the ideal power for operating a small line shaft connected with your Cream Separator, Grist Mill, Fan Mill, Washing Machine, Grindstone or any other small farm machinery. It gives you full rated power at all times at lowest possible fuel expense. Although this is the smallest of the Monarch Engines, all splendid features are embodied in its construction. Monarch Gasoline Engine, size 1 1/4 h.p. (full explanation on opposite page).

Sale price..... **\$45.00**

## LIBERAL TERMS!

*Time to Pay if You Wish!*

You can buy your Monarch Engine in any size under most liberal terms: three ways to pay, as follows:

**Plan No. 1** By sending cash in full with order you will be allowed a discount of 3 per cent, from these prices.

**Plan No. 2** If you wish to examine and use the engine for thirty days, send us a letter from your banker stating that the full sale price has been deposited with him and will be sent to us when you are fully satisfied.

**Plan No. 3** If you wish to buy your engine on time in three payments—an extra charge of \$2.50 will be necessary to cover our bookkeeping expense. Send one-third of the amount with your order and blanks will be sent for your signature for the balance to be paid one-third in two months and one-third in four months.



# Solve Your Power Problems!

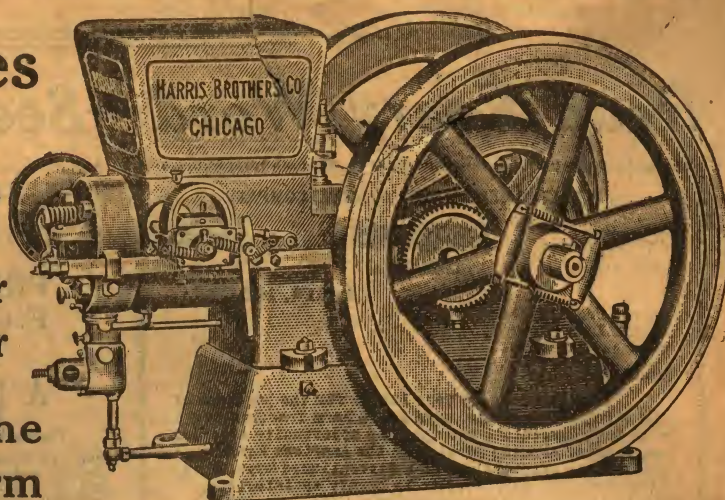
WEBSTER OSCILLATING MAGNETO

## Kerosene Engines

3 h. p. to **\$87<sup>00</sup>** and  
10 h. p. Upwards

Throttling Governor-Webster  
Magneto-Kerosene Carburetor

Sure Easy Starting—The  
Ideal Engine for the Farm



MONARCH KEROSINE ENGINE ON CAST SUB BASE

### SPECIFICATIONS AND SALE PRICES

ORDER NO.	GASOLINE ENGINES				KEROSENE ENGINES			
	36-A-120	36-A-121	36-A-122	36-A-123	36-A-320	36-A-321	36-A-322	36-A-323
Size, H. P.	1½	3	5	7	3	5	7	12
Price on skids	\$45.00	\$75.00	\$100.00	\$150.00	ON CAST SUB BASE ONLY			
Price on cast Sub base		\$79.00	\$107.00	\$160.00	\$87.00	\$113.00	\$170.00	\$290.00
Speed, R. P. M.	500	400	350	325	450	400	370	300
Bore, inches	3½	4½	4¾	5½	4½	4¾	5¼	6¾
Stroke, inches	5	6	8	10	6	8	10	12
Pulley, inches	4x4	8x6	12x6	14x8	8x6	12x6	14x8	22x8
Diameter Crank Pin, inches	1¾	1 9/16	1¾	2	9/16	1¾	2	2½
Length Crank Pin, inches	1 9/16	1 13/16	1 13/16	2	1 13/16	1 13/16	2	2½
Length Connecting Rod, inches	10¾	12½	14½	19	12½	14½	19	26
Length Piston, inches	4	5½	6	7	5½	6	7	9½
No. of Piston Rings	3	3	3	3	3	3	3	3
Fuel Tank, gallons	1	2½	2½	7½	3½	4	8½	11
Weight, Flywheel	34	81	142	250	81	142	250	375
Shipping Weight	225	475	715	1250	485	725	1265	2450

Monarch  
Pumping  
Outfits

Kerosene car-  
buretor designed  
for cheapest fuel

Cooling hopper of  
special design pre-  
vents cracking  
from frost

Modern design  
embodying all  
good points

Drop forge crank  
shaft

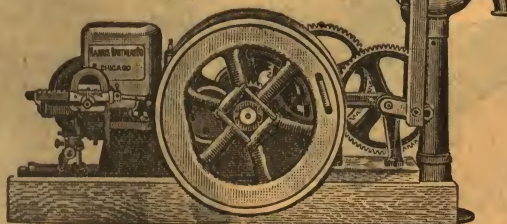
Thick walled  
cylinder permits  
boring three times

Ignition  
Webster's oscillat-  
ing magneto on  
all sizes

## FREE TRIAL! Guaranteed Forever!

Whether you pay cash in full for your Monarch Engine or buy it under the conditions of our three payment plan, we will gladly send it to you on trial—our sole object being to satisfy you with your purchase.

We insist that you be satisfied in every way with your Monarch Engine before we will consider the transaction closed. If you do not find the engine we send you to be exactly as pictured and described in these pages, or if for any reason whatsoever you are not satisfied, your money, including all transportation charges, will be returned without any question or quibble. Monarch Engines in all sizes as described on these pages are guaranteed by us to give you the satisfaction you have a right to expect, and if at any future time you find your engine to be defective in material or workmanship, we will cheerfully send you repair parts to place your engine in perfect condition—replace the engine with a new one or hand you back any amount of money you have paid us.



Pump and Pump Standards Not Supplied

Includes regular Monarch Engine and geared pumping jack, mounted on wood skids. Jack is arranged for direct connection to pump standard; no belts. By taking out four lag screws the pumping jack can be removed and the engine run independently.

**36-A-329.** Monarch direct connected pumping outfit with 1½ h. p. engine and single gear pump jack, height 20 in., 3¼ in. bore, 5 in. stroke, 18 in. flywheel, 5x5 in. pulley, wt. 360 lbs. Price.....**\$60.00**

**36-A-330.** Monarch direct connected pumping outfit with 3 h. p. engine and double gear pump jack, height 22 in., 4¼ in. bore, 6 in. stroke, 21 in. flywheel, 10x6 in. pulley, wt. 550 lbs. Price.....**\$95.00**

HARRIS BROTHERS COMPANY, 35th and Iron Streets, CHICAGO



# Sensational Value Here!

## ALLIS-CHALMERS <sup>10-18</sup> H. P. FARM TRACTOR

*Read Every Word—See What You Save*

ALLIS-CHALMERS MANUFACTURING COMPANY

ADDRESS CORRESPONDENCE TO  
TRACTOR DIVISION

**ALLIS-CHALMERS**

GENERAL OFFICES  
MILWAUKEE, WIS.

READ NOTICE  
PAGE 10

April 2, 1921.

Harris Brothers Company,  
35th & Iron Streets,  
Chicago, Illinois.

Gentlemen:

In acknowledging your letter for the purchase of our stock of Allis-Chalmers 10-18 Farm Tractors, we wish to congratulate you upon the opportunity afforded you to be of genuine service to the American Farmer. While these tractors are of a discontinued type, they have nevertheless proved to be highly satisfactory, and the basis on which you have procured them makes it possible for you to offer a value never before equaled, and we firmly believe that in announcing this job to the trade you will soon receive orders in excess of the number of tractors you have bought.

We further wish to advise that repair parts can always be obtained from our factory or any of our branch houses and we particularly wish to direct your attention to the fact that:

"The Allis-Chalmers Mfg. Company guarantees these tractors which you have purchased against defective workmanship and material and will continue the same guarantee on these tractors as we have in the past while we were selling them."

We selected your Company to market these tractors in recognition of your unexcelled facilities for reaching the greatest number of buyers in the most economical manner and, further, because we have every confidence in the policy of your Company to give each and everyone of its customers a "Square Deal."

Yours very truly,

Tractor Division ALLIS-CHALMERS MFG. CO..  
BMS/NB By B. M. Seymour, Manager.

This letter tells the story of our great purchase. It's the chance you've hoped and waited for,—famous, genuine Allis-Chalmers 10-18 H. P. Farm Tractor now yours, at a tremendous price reduction. More than half the original price is saved for you, by our fortunate arrangements. Buy this efficient serviceable tractor,—built to give you best service under most severe tests. Act quickly!

PRICE COMPLETE \$295<sup>00</sup>  
F.O.B. CHICAGO

### A Double Guarantee Protects You

#### Harris Brothers Guarantee.

Our well known money back guarantee provides that every penny of your money will be returned, including any transportation charges you have paid, or we will exchange the tractor you have received for another, or satisfy you otherwise, if you are not entirely pleased with the Allis-Chalmers 10-18 H. P. Farm Tractor you receive.

HARRIS BROS. CO.

#### Allis-Chalmers Guarantee

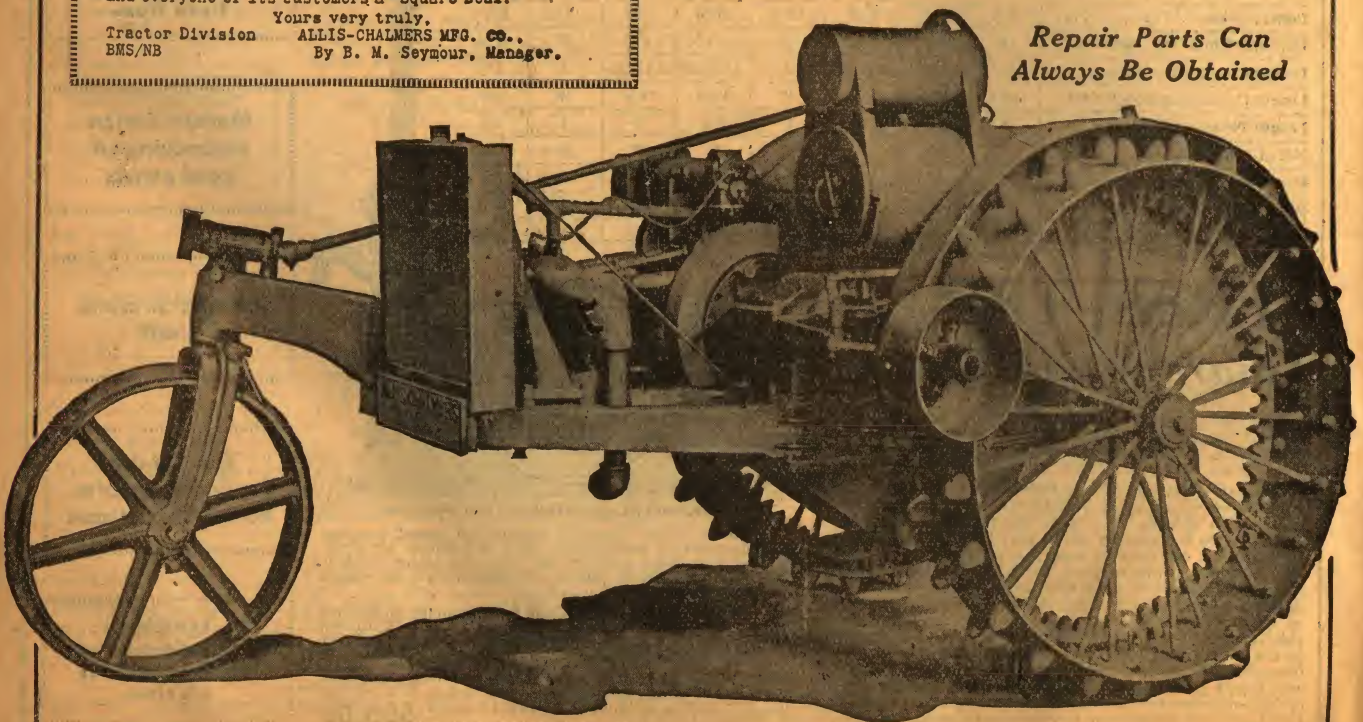
With each Allis-Chalmers 10-18 H. P. Farm Tractor purchased from Harris Bros. Co., you get our regular guarantee, against defects in material or workmanship. The Allis-Chalmers 10-18 H. P. Farm Tractor is guaranteed to be made of best material, and free from all defects, any part which breaks through from defects in material or workmanship, will be replaced at any time within one year.

ALL BRAND NEW  
COMPLETE IN EVERY DETAIL  
ONLY 27 LEFT FOR SALE

### Terms for Responsible Persons

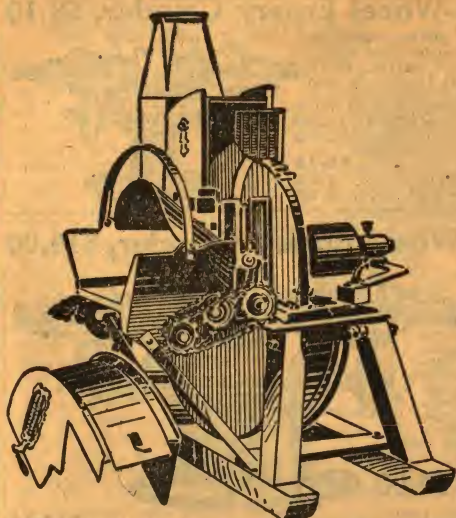
Persons of responsibility, who are anxious to own Allis-Chalmers 10-18 H. P. Farm tractors, will find us willing at all times to extend the payments over a reasonable time, and details can be arranged while your tractor is being prepared for shipment.

*Repair Parts Can  
Always Be Obtained*





# Rumely Advance Ensilage Cutter



The above cut shows the simplicity of the Rumely Advance Ensilage Cutter and gives an idea of the accessibility of all parts when the cover is removed. Note the sure-acting safety device and the provisions for a strong, solid machine throughout.

The delivery pipe is made light, so that it can be put up readily. It is made strong, so that it cannot easily be bent out of shape nor worn by the friction of the silage.

The delivery pipe used with the Advance Silage Cutter is not only smooth inside, to reduce friction; it is also made practically air tight, so that none of the force of the blast is lost on the way—it is all used to carry the silage to the top of the silo. The top of the distributor hood is reinforced by a steel sheet, where the silage strikes it with greatest force in being deflected. This sheet resists the great wear at this point.

## Specifications are as follows:

Height of Cutter.....	inches
Height of Feeding Table.....	46 inches
Width of Throat.....	15 inches
Capacity of Throat in square inches.....	90 inches

### FAN CASE OR DRUM DIMENSIONS

Diameter inside.....	46 inches
Width inside.....	9 1/2 inches
Clearance between fan and case.....	1/2 inch
Gauge steel used for rim.....	No. 10
For sides.....	No. 12

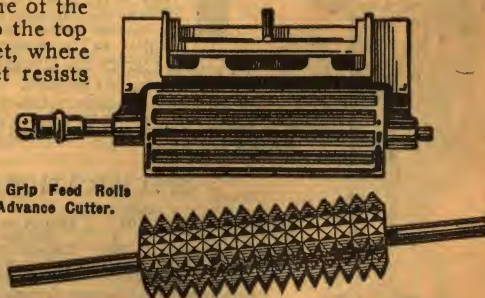
### FRAME

Size of angle iron.....	3 1/2 x 3 1/2 x 3/8 inches
Size of wood sills.....	4 x 3 1/4 inches

### DELIVERY PIPE

Diameter.....	8 inches
Made of steel gauge galvanized iron.....	No. 22

The Sure Grip Feed Rolls of the Advance Cutter.



### KNIFE DISC

Weight complete.....	375 lbs.
Diameter.....	34 inches
Thickness.....	1 1/4 inches
R. P. M.....	600 to 900

### KNIVES

Number furnished.....	4
Width.....	3 3/4 inches
Length.....	18 1/4 inches
Thickness.....	3/8 inch

### DIMENSIONS OF TRUCK

Diameter of wheels.....	22 inches
Width.....	3 inches
Length of hub.....	6 inches
Width of wheel track.....	57 inches

### Equipment includes:—

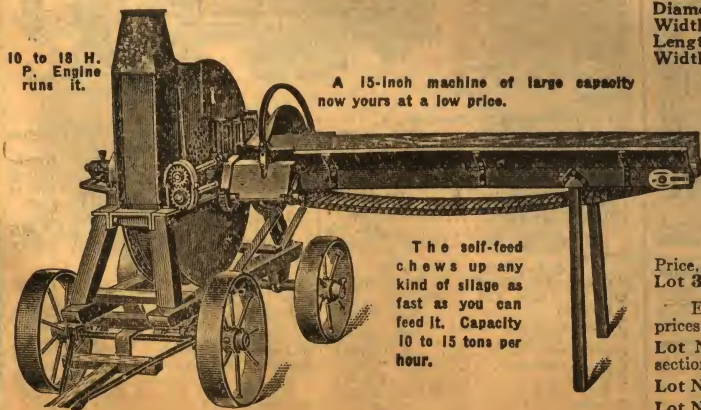
Distributor hood for top of delivery pipe.  
Feeding platform 30 inches wide and 6 ft. long, and  
Galvanized delivery pipe, as follows:

- 2—8 ft. sections
- 1—6 ft. section
- 1—4 ft. section
- 1—2 ft. section of 8-inch, 22 gauge galvanized pipe

Price, complete, as above **\$150.00**  
Lot 36-A-1223.

EXTRA EQUIPMENT: The following extras will be furnished at the prices noted:

- Lot No. 36-A-208. Hopper for end of distributor, when distributor section is used..... **\$2.50**
- Lot No. 36-A-209. Inside distributor section, 30 inches long... **1.00**
- Lot No. 36-A-210. Extra blower pipe, per foot..... **.50**



10 to 18 H. P. Engine runs it.

A 15-inch machine of large capacity now yours at a low price.

The self-feed chews up any kind of silage as fast as you can feed it. Capacity 10 to 15 tons per hour.



**HARRIS BROTHERS COMPANY, 35th and Iron Streets, CHICAGO**



# Improved Farm Implements

## "All Purpose" Feed Grinder and Cob Crusher

**16-A-7200**, Made in two sizes, built entirely of steel and iron. Will grind ear corn, shelled corn, barley, rye, oats and any kind of grain separately or mixed. Burrs easily regulated for coarse or fine grinding, while machine is in motion. Cob breakers are bolted to sides and bottom of main frame; made of hard chilled iron, arranged in spiral fashion. All bearings fully babbitted. Burrs made of most durable metals for long service, being "Crow-foot Pattern."

No. 3 machine with two sets of 8-inch burrs, 35 lb. balance wheel, pulley size, 8x6 inches, capacity, 10 to 30 bushels per hour, requiring from 3 to 6 H. P., speed 300 to 700. Weight, 245 lbs. Price.....**\$20.75**

Extra burrs, coarse or fine, per set.....**1.25**

No. 14 Machine with two sets of 10-inch burrs, 55 lb. balance wheel, pulley size, 12x16 inches, capacity, 20 to 60 bushels per hour, requiring from 7 to 12 H. P., speed, 400 to 700. Weight, 355 lbs. Price.....**\$29.75**

Extra burrs, coarse or fine, per set.....**1.50**

5 ft. double sacking elevator for either size.....**16.00**

10 ft. wagon box elevator with swing spout for either size.....**22.50**

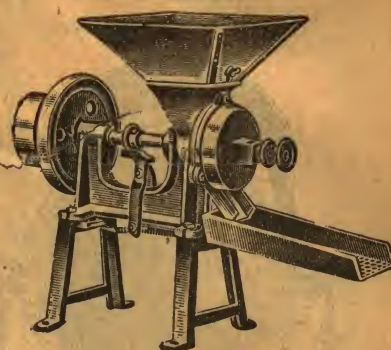


Ball Bearing End Thrust

**\$20<sup>75</sup>**

## "Up-To-Date" Meal Maker and Feed Grinder

Our "Up-To-Date" meal maker is a combined feed grinder for stock and meal and flour maker for family and table use. It is built for engines or motors from 1½ to 4 H.P. The burrs are 5½ inches diameter, ground perfectly true, and made of the same hard white iron as used in the larger mills. They can be adjusted for fine or coarse grinding while running. It is furnished with Bolting Screen, fitted with cast iron legs and balance wheel like illustration. The perforated bolting attachment is operated by the roller cam and bolts Corn Meal, Graham Flour, etc. Grinds shelled corn, wheat, oats, speltz, barley, rye and all kinds of small grain separately or mixed.



Pulley, 7 inch diameter, 4 inch face or 12 inch diameter, 3 inch face. Furnished with 2 sets of burrs. Capacity 5 to 22 bushels per hour at 150 to 400 r. p. m., depending upon H.P. used.

Shipping weight, about 100 lbs.

**16-A-105**, Improved meal maker complete with 2 sets 5½ inch burrs, bolting attachment, legs and balance wheel. Price, complete **\$13.75**

Extra burrs, coarse or fine, per set, weight, 3 lbs.....**85c**

## Harris Feed Mill



An excellent little mill for light power; taking up small space, just the machine you want where a limited amount of grinding is to be done. Built especially for engines from 1½ to 4 H. P. Capacity, 5 to 22 bushels per hour at 150 to 400 r. p. m., depending on H. P.

Will grind shelled corn, wheat, oats, speltz, barley, rye and all kinds of small grain separately or mixed.

It is built entirely of iron and steel and every part is strong enough to resist six times the actual working strain.

The bearings are long and lined with a high grade babbitt and can be oiled while mill is running.

The burrs are 5½ inches in diameter, ground perfectly true. Can be adjusted for fine or coarse grinding while running.

Pulley, 12 inches diameter, 3-inch face, weight, 60 pounds. Furnished with 2 sets burrs.

**16-A-7117**, Price, complete.....**\$7.25**

**16-A-7118**, Extra Burrs, coarse or fine, per set.....**90c**

**16-A-7119**, Balance Wheel, 15 lbs.....**\$1.40**

## "Humphrey" Green Bone Cutter

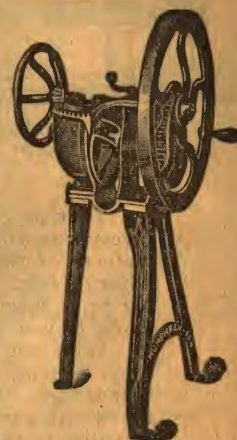
This is the best Green Bone Cutter on the market at any price. Has only three working parts; no springs or screws to wear out; no sliding surfaces between which bone can get wedged; stands at the right height and power is easily applied. The open hopper takes a bone of almost any size and is the only bone cutter having an always open hopper which makes rapid cutting. Merely unscrew one nut and all working parts are exposed for cleaning. It is a combined green bone and vegetable cutter.

No. 1 size for Hand Power only for flocks of 10 to 200 hens. No. 2 size, Hand and Power Cutter for 200 to 400 hens; a small power machine of the same bowl capacity as the No. 1. No. 2½ size, for Hand and Power, by hand for 200 hens and ½ to 1 H. P. for 400 hens. Pulley for power, 12 inches diameter, 2½ inch face, to run 300 revolutions.

**16-A-8007**, No. 1, Hand Cutter, weight 120 lbs. Price.....**\$19.00**

**16-A-8009**, No. 2, Hand and Power, weight, 120 lbs. Price.....**21.00**

**16-A-8011**, No. 2½, Hand and Power, weight, 135 lbs. Price.....**23.00**



## Harris Hand Corn Sheller



Made of Cast Iron

Handiest and Most complete Corn Sheller on the Market. This little cast iron corn sheller cannot be equalled for convenience and general utility. It is so simple that there is nothing about it to get out of order and so strong that it will not break.

It can be adjusted to shell large or small ears with equally good results. The adjusting shell is held against the ear of corn by a spring, the tension of which is easily and quickly adjusted. This shell forces the ear of corn against the shelling wheel and causes the ear to revolve so that the corn is shelled from the ear clean. The shelled corn is dropped into the box to which the sheller is fastened, and the ears are dropped outside.

**16-A-8061**, Weight, 15 lbs. Price.....**\$1.10**

## Harris Hand Grist Mill



A Handy Mill for any home, especially for those who keep poultry or a cow. Mills are adjustable to grind fine or coarse. Grinds all kinds grain, coffee, salt, dry bones, dry shells, etc. Three sizes, Small size suitable in kitchen for grinding coffee or cracking corn for small flock poultry. Second size, much larger and has larger capacity and heavy balance wheel makes grinding easier. Largest size almost equal to small power mill and will easily grind for several head of stock.

Number	Weight, Cap. per hr.	Prices
<b>16-A-8037</b> , No. 1, 25 lbs., ½ to 1 bu.		<b>\$2.75</b>
<b>16-A-8038</b> , Extra burrs, per pair.....		<b>.55</b>
<b>16-A-8039</b> , No. 2, 50 lbs., 1 to 1½ bu.		<b>4.15</b>
<b>16-A-8040</b> , Extra Burrs, per pair.....		<b>.75</b>
<b>16-A-8041</b> , No. 3, 75 lbs., 1½, 2½ bu.		<b>7.75</b>
<b>16-A-8042</b> , Extra Burrs, per pair.....		<b>.95</b>

## Harris Hand Bone Mill

This little grinder reduces the cost of bone meal to mere labor.

Teeth are strong and coarse and will not grind corn for family use. Fresh bones should be allowed to become thoroughly dry before grinding. It will grind oyster shells, dried bones, gravel, old crockery, cracked corn, and other coarse feed for chickens. Can be adjusted to grind fine or coarse. The crusher is cone shaped, which crushes the product first, then it passes into the coarse grinding plates. This is a much better way than many other mills made with stationary burrs.

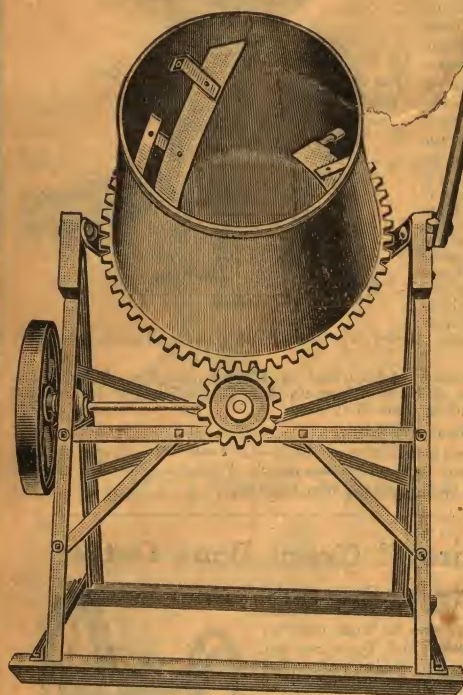
**16-A-8021**, Weight, 35 lbs. Price.....**\$4.25**



**\$4<sup>25</sup>**



# Improved Concrete Mixer at a Big Money Saving



In Working Position

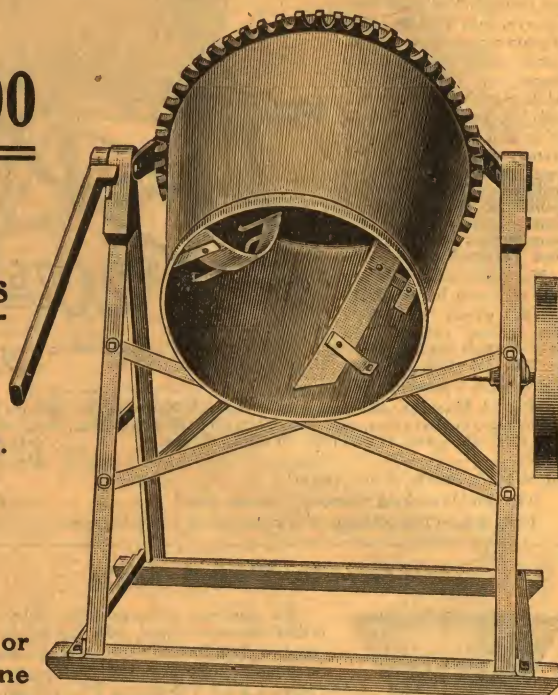
\$55<sup>00</sup>

During This  
Sale!

Capacity 3-3½ cu. ft.

Mixes a Batch  
Every Minute!

Can Be  
Operated by Hand or  
by a 1½ H.P. Engine



In Unloading Position

Your purchase of one of these simple, perfect, inexpensive concrete mixers is the biggest paying investment you can possibly make. We have just completed special arrangements with the manufacturer of these splendid machines to supply our customers with a limited number during this advance sale. The number of these machines we have purchased enabled us to secure them at a big price reduction. And we are passing all of the bargain buying benefits of the savings we made along to you.

With one of these big capacity fast working concrete mixers, you can make those permanent improvements that add so much to the value of any farm. Build your own concrete walks, silos, foundations, floors, etc. Not only will this machine do the work with less help and greater speed but it will save much material. Best of all it will mix properly—and you know the proper mix is essential to the strength and durability of all concrete work.

Farmers everywhere have found a concrete feeding floor a great convenience and saver of feed. With this handy machine you can put in your own feeding floors quickly and with little expense.

## Designed Expressly for the Farm!

### OPERATION

This splendid concrete mixer has been primarily designed for the farmer, but many small contractors throughout the country have found it highly profitable on account of its simplicity, durability and speed.

The drum is charged on one side and discharged on the opposite side, which eliminates the necessity of wheeling concrete to the forms. Big Capacity—holds 3 to 3½ cubic feet to each batch and will mix fully 45 cubic yards of concrete in ten hours or a batch every minute.

The mixing blades work perfectly in either wet or dry concrete. Will also mix mortar or plaster. Built in a handy height and will dump into a wheelbarrow. Note carefully the accompanying illustrations of the machine in working and unloading positions.

### CONSTRUCTION

These splendid mixers have been made and distributed for many years—the product of a well known manufacturer, whose name would be readily recognized as a leader in this field. But we agreed not to use their name in our advertisements.

Made throughout of best iron and steel with patented reverse unloading gear which forces a discharge by merely tipping the drum. Perfectly balanced and easy to work. Note the extreme simplicity of construction—the few number of parts. Everything easy to get at, nothing to get out of order to delay your work. Operates perfectly by hand or with a 1½ horsepower engine.

No. 8-A-361. Harris concrete mixer for hand or power drive; pulley size, 16x3 inches; width, overall, 3 feet 6 inches; height, overall, 4 feet 6 inches; shoveling height, 3 feet; capacity, 3 to 3½ cubic feet; power required, 1½ H. P.; weight, about 300 lbs. Sale price, each \$55.00



# Galvanized Feed Troughs

## Painted Black



### NON-TIP FEED TROUGHS

FOR HOGS, SHEEP AND CATTLE

HERE are the strongest and best feed troughs for all farm feeding. They are made of heavy galvanized iron (about 10 gauge)—no rough edges or sharp corners to harm the stock. The flared legs make tipping impossible. They will not rust, leak or cave in. Made with rounded bottoms easily cleaned—thoroughly sanitary. Cross bars and legs are made of heavy bar iron, securely riveted. Discard your disease breeding, insanitary wood troughs and replace them with these modern steel troughs now. Before shipment we paint them with a good quality of black paint which adds to their appearance and durability.

#### PRICES

Catalogue Number	Width inches	Depth inches	Lgth. feet	Wt. lbs.	Cap. gals.	Price, each	Lots of 3 each	Lots of 6 each	Lots of 12 each
14-A-512	12	6	5	40	15	\$1.95	\$1.85	\$1.75	\$1.65
14-A-812	12	6	8	65	24	2.95	2.85	2.75	2.65
14-A-1012	12	6	10	80	30	3.95	3.85	3.75	3.65

**Buy Now  
At These  
Low  
Sale Prices**

**\$1.95**

**Ready Now For  
Quick Shipment**

**A  
New Model  
Hog Trough**

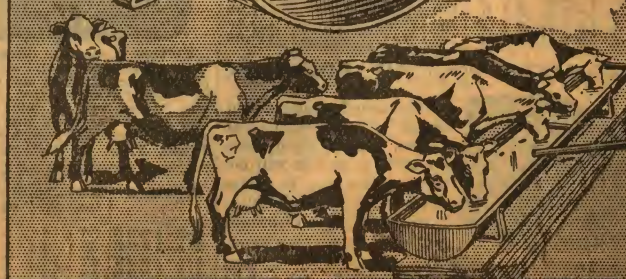


**2 Feet Long**

**Nest compactly for safe economical shipment and space saving storage**

**14-A-1500.** An ingeniously made patented hog or poultry trough with numerous splendid features. Made of heavily galvanized bright steel with trough body formed in one piece. Several troughs can be nested together for safe economical shipment and space saving storage when not in use. Leg end pieces attached quickly and securely in a few moments. No bolts—rivets or solder. No joints to open—no dirt catching crevices or sharp injurious corners. Braced by steel cross bar. One size, 2 feet long, weight about 10 lbs.

Each ..... **85c**





**FULL  
WEIGHT**

# STEEL TANKS

**GALVANIZED  
STEEL**

**Made of Full Weight U. S. STANDARD Gauge Galvanized Steel**

**LOW PRICES AND GUARANTEE.** We quote the lowest prices ever made.

**QUALITY.** We use only the best quality of galvanized steel sheets and guarantee full weight U. S. Standard gauge No. 20.

**HOW MADE.** All joints are lock seamed. This style of joint is considered the best possible construction, as there are four thicknesses of metal tightly joined.

**COVERS.** We can furnish flat covers at 30c per sq. ft. for any tank shown and the size of cover is obtained by multiplying the square of the tank. As an example, on a round tank 4 ft. in diameter a square would be 4x4 or 16 sq. ft. On round end tanks the square is figured by the length and width and longest and widest point.

**CAPACITY.** The capacity of tanks as shown in barrels is based on 31½ gallons to the barrel. In figuring the round end tanks no allowance has been made for the round corners, so these tanks will not hold quite as rated.

**KNOCKED DOWN TANKS.** When tanks are shipped knocked down, all holes are punched, every part is fitted together at the factory and sufficient solder and rivets are sent to put the tank together.

**PIPE CONNECTION.** We do not cut pipe connection in steel tanks, because it is a difficult matter for anyone to tell before receiving their tanks just where it is best to cut the hole. You can easily cut the hole by using a cold chisel and cut against a block of hard wood.

Our galvanized pipe connections consist of one close nipple, two leather washers, two lock nuts and one pipe cap, so you can close hole when you wish. Shipped from factory with tanks.

Prices as follows:

4-A-1600 Pipe Connections.	¾	1	1½	1¾	2
Size, inches.....	\$0.45	\$0.45	\$0.60	\$0.65	\$0.90
Each.....					

## ROUND END GALVANIZED STEEL TANKS



Made of No. 20 gauge galvanized steel guaranteed. Always shipped set up unless otherwise ordered. Sufficiently heavy for ordinary stock watering or storage purposes. Tanks made of No. 18 gauge steel, additional charge of 25 per cent.

**BRACING.** On tanks 6, 8 and 10 feet long we furnish one angle brace across the top and two on each side. On larger tanks there are two braces across the top and three on each side.

Prices are F. O. B. Factory, Northern Indiana.

No.	Wth. Ft.	Ht. Ft.	Lth. Ft.	Cap. Bbls.	Wt. Lbs.	Price Each
4-A-1831	2	1	4	1½	50	\$5.00
4-A-1832	2	1	6	2½	60	6.85
4-A-1833	2	1	8	3½	85	8.65
4-A-1834	2	2	4	3½	65	6.35
4-A-1835	2	2	6	5½	90	9.30
4-A-1836	2	2	8	7½	120	11.10
4-A-1837	2½	2½	8	9½	137	12.75
4-A-1838	2½	2½	8	9½	135	11.85
4-A-1839	2½	2½	8	12	150	13.65
4-A-1840	3	2	8	11½	145	12.80
4-A-1841	3	2	8	14	180	14.55
4-A-1842	4	2	8	15	155	16.35
4-A-1843	4	2½	8	17	174	18.20
4-A-1844	4	3	8	23	195	20.00
4-A-1845	3	2	10	14	165	15.90
4-A-1846	3	2½	10	13	192	18.25
4-A-1847	3	3	10	21	215	21.60
4-A-1848	4	2	10	19	205	19.55
4-A-1849	4	2½	10	24	225	21.85
4-A-1850	4	3	10	29	245	25.90
4-A-1851	4	2	16	30	315	30.90
4-A-1852	4	2½	16	38	365	34.50
4-A-1853	5	2	16	38	380	36.40
4-A-1854	5	2½	16	47	400	40.95

## ROUND GALVANIZED STORAGE TANKS

These tanks are shipped knocked down, properly marked to facilitate erection. Every tank is set up at our factory and inspected before shipment. We furnish sufficient solder and rivets. Full instructions—also accompany each shipment.

We recommend No. 18 gauge for tanks of 40 bbls. cap. and larger, No. 16 gauge for 100 bbls tanks and larger.

Prices are F. O. B. factory, Northern Indiana.



Number	Dia. Ft.	Ht. Ft.	Cap. Bbl.	Wt. Lbs.	Price 20 G.	Price 18 G.	Price 16 G.
4-A-1816	6	6	41	340	\$34.25	\$42.75	...
4-A-1817	6	8	54	430	42.00	52.50	...
4-A-1818	8	5	60	475	46.55	58.20	...
4-A-1819	8	6	72	530	51.45	64.25	...
4-A-1820	8	8	95	640	63.70	79.60	\$95.55
4-A-1821	8	10	120	750	...	89.00	107.00
4-A-1822	10	10	150	875	...	...	123.00
4-A-1823	10	10	180	970	...	...	139.00

## AUTOMATIC POULTRY FOUNTAIN



This fountain is closed tight except a small space near bottom where fowls have access to water. It will not burst by freezing. It retains water in sanitary condition. No danger of chicks drowning. Can be set on a stove.

4-A-1859	One gallon size. Price.....	86c
4-A-1860	Two gallon size. Price.....	96c

## SQUARE END GALVANIZED TANK

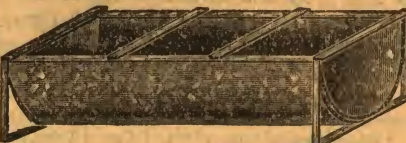


Made of No. 20 gauge galvanized steel guaranteed. Sufficiently heavy for ordinary stock watering or storage purposes. These tanks, made of No. 18 gauge steel at an additional charge of 25 per cent.

Prices are F. O. B. Factory, Northern Indiana.

Number	Wth. Ft.	Ht. Ft.	Lth. Ft.	Cap. Bbls.	Wt. Lbs.	Price Each
4-A-1863	2	2	4	3½	75	\$7.70
4-A-1864	2	2	6	5½	105	10.00
4-A-1865	2	2	8	7½	130	14.55
4-A-1866	2	2½	8	9½	135	16.35
4-A-1867	2½	2	8	9½	150	16.90
4-A-1868	2	2	8	11½	160	17.05
4-A-1869	2½	2½	8	12	170	17.70
4-A-1870	3	2	10	14	190	20.00
4-A-1873	3	2½	10	18	215	22.25
4-A-1874	4	2	10	19	225	23.40

## ROUND BOTTOM GALVANIZED TANKS



No Cross Bars on Tanks less than 10 feet long. Made of 20 gauge, galvanized steel, guaranteed. Furnished with steel frame or truss at each end so it can be set on the ground. Does not have to be bolted to timbers. One cross bar on tanks 10 feet long or over. Prices are F. O. B. cars, factory, Northern Indiana.

Number	Wth. Ft.	Dth. Ins.	Lth. Ft.	Cap. Bbls.	Wt. Lbs.	Price Each
4-A-2964	1½	8	10	2	60	\$4.55
4-A-2967	2	12	8	4	90	7.25
4-A-2968	1½	14	8	4	90	7.30
4-A-2966	1½	14	10	5	100	8.20
4-A-2965	2	12	10	5	100	8.25
4-A-2963	2	20	8	6	130	10.90
4-A-2962	2½	18	8	6	130	10.95
4-A-2961	2	20	10	8	150	12.70
4-A-2960	2½	18	10	8	130	12.75
4-A-2972	3	24	8	10	165	14.55
4-A-2971	3½	22	8	10	165	14.60
4-A-2970	3	24	10	13	175	15.45
4-A-2969	3½	22	10	13	175	15.50
4-A-2974	4	24	8	16	185	17.25

## SHEEP AND HOG DIPPING TANK



Prevent contagious disease; for dipping Sheep and Hogs. Placed in ground with top on level with surface. Animals are driven in and out of tank. Made of No. 20 gauge galvanized steel. If made of No. 18 gauge, add 25 per cent. to price. Always shipped set up. Our design is correct and best made. If you wish special style, send sketch and dimensions for prices. Prices, F. O. B. Factory, Northern Indiana.

Number	Ht. Ins.	Lth. Top Ft.	Lth. Btm. Ft.	Wth. Top Ins.	Wth. Btm. Ins.	Wt. Lbs.	Price Each
4-A-1895	36	5	3	24	12	115	\$12.25
4-A-1896	36	6	4	30	18	128	13.65
4-A-1897	42	10	5	30	12	240	22.75
4-A-1898	48	10	5	30	12	255	25.90

## ROUND GALVANIZED STEEL TANKS



Made of No. 20 gauge galvanized steel, guaranteed. Always shipped set up, unless otherwise ordered. This gauge of steel is sufficiently heavy in any of the sizes which we offer these tanks for ordinary stock watering or storage purposes. We can furnish these tanks made of No. 18 gauge steel at 25 per cent. higher prices. Prices are F. O. B. cars, Factory, Northern Indiana.

Number	Dia. Ft.	Ht. Ft.	Cap. Bbls.	Wt. Lbs.	Price Each
4-A-1801	3	2	3	65	\$7.25
4-A-1802	4	2	6	90	8.65
4-A-1803	4	2½	7	100	9.75
4-A-1804	4	3	9	115	11.60
4-A-1805	4	4	12	130	14.55
4-A-1806	5	2	9½	115	11.80
4-A-1807	5	2½	12	130	13.20
4-A-1808	5	3	14	140	14.00
4-A-1809	5	4	19	170	19.10
4-A-1810	6	2	14	160	14.55
4-A-1811	6	2½	17	180	15.90
4-A-1812	6	3	20	180	18.20
4-A-1813	6	4	27	210	22.75
4-A-1814	6	5	34	240	27.30

## PREMIER OIL TANKS

These tanks are made of No. 26 gauge galvanized iron body and bottom, with wood bottom under metal, tin hood, portable and steady stream pump which can be taken out of the tank and used for pumping kerosene from barrel into tank. All tanks are neatly painted and lettered.



No.	Cap. Gal.	Unit Price, Each
4-A-1970	30	\$5.80
4-A-1971	60	9.90
4-A-1972	110	14.00



## GASOLINE AND OIL TANKS

Made of No. 20 gauge galvanized steel is very strong and durable and will stand much hard usage. These tanks are fitted with a screw cap opening in top to fill by and faucet in side near bottom to draw off contents. Prices given below are F. O. B. cars, Factory, Northern Indiana.

Number	Inside Dia. Ins.	Ht. Ins.	Cap. Gals.	Price Each
4-A-1960	18	30	32	\$ 5.35
4-A-1961	24	40	58	6.15
4-A-1962	24	36	70	7.60
4-A-1963	34	30	36	11.70
4-A-1964	34	36	40	10.75
4-A-1965	34	42	165	12.95
4-A-1966	34	48	185	14.20
4-A-1967	40	42	225	16.15
4-A-1968	40	48	260	17.60



# Tanks, Feeders, Cookers, Tank Heaters



## Farmers' Stock Feed Cookers

For cooking feed, heating water, boiling sugar, rendering lard, making soap, scalding. Casing or jacket is made of strong, cold-rolled steel, supported at bottom with a heavy wrought iron band, shrunk on and not riveted. The jacket is one continuous sheet of steel. The smoke is thrown around the kettle before it passes into the smoke pipe. Bringing the outside of the kettle in direct contact with the fire, enables you to boil fifty gallons of feed in from 20 to 30 minutes. Large fire door 12x15 inches. Burns wood from 28 to 36 inches long. Prices quoted are for wood burning cookers. Shipped from warehouses in Southern Michigan or Central Iowa.

Order Number	Actual Cap. Gals.	Diam. Inside Flange	Depth Kettle Inches	Weight Lbs.	Less Cover	Cover Extra
4-A-1991	15	20 in.	13 1/4	125	\$ 9.95	\$1.20
4-A-1992	20	23 in.	15	145	11.50	1.35
4-A-1993	30	27 in.	16	185	14.60	1.50
4-A-1994	45	29 in.	18 1/4	225	16.90	1.65
4-A-1995	55	32 in.	21	265	18.50	1.85
4-A-1996	65	34 in.	21	325	21.60	2.05
4-A-1997	75	36 in.	22	350	23.85	2.25

**COAL GRATES FOR FARMERS' STOCK FEED COOKERS**  
4-A-1999. Price, each.....\$3.75

## Washington Fir Stock and Storage Tanks

Made of strictly clear Washington Fir, with Steel Hoops and Lugs. Size: 1 1/2 inch stock is dressed to about 1 1/2 inches thick and 2 inches stock is about 1 1/2 inches thick. On tanks 8 feet or larger in diameter, we recommend that they be made of the 2 inch stock. We ship tanks Knocked Down direct from warehouse located in Wisconsin.



Order Number	Diam. feet	Length of Staves, Feet	No. of Hoops	Capacity Gallons	Wt. 1 1/2" Lbs.	Price 1 1/2"	Wt. 2" Lbs.	Price 2"
4-A-2001	4	2	2	138	200	\$13.90	260	\$16.25
4-A-2003	4	4	3	277	300	19.00	390	24.30
4-A-2005	5	2	2	221	225	15.90	263	20.25
4-A-2007	5	5	4	575	550	30.75	715	39.50
4-A-2009	6	2	2	324	300	19.80	390	25.30
4-A-2013	7	2	2	446	400	25.80	520	30.35
4-A-2017	8	2	2	588	455	27.75	591	35.40
4-A-2021	10	2	2	931	600	41.25	780	47.25
4-A-2025	6	6	4	1100	695	41.90	1903	53.50
4-A-2027	6	8	5	1490	.....	.....	1170	74.45
4-A-2029	8	6	4	1950	.....	.....	1267	71.80
4-A-2031	8	8	5	2700	.....	.....	1495	99.25
4-A-2033	10	10	7	5400	.....	.....	1787	156.00

## GALVANIZED Hog Feeder



An excellent hog feeder, made of No. 20 gauge galvanized steel, reinforced with heavy angle iron. The construction and design prevents feed waste. Hogs cannot crowd along the trough. Dry feed of any kind will flow down through the container into the trough as fast as it can be eaten. Put in one of these troughs and you will quickly see the advantage of using them only. The feed saved and the health of your hogs will more than pay for your troughs in a surprisingly short time.

4-A-58—4 ft. long, cap., 11 bus., ea. **\$14.55**  
4-A-59—6 ft. long, cap., 16 bus., ea. **18.20**  
4-A-60—8 ft. long, cap., 21 bus., ea. **21.80**

## Improved Feed Cooker



No steam to keep up, no water to freeze. Furnace and fire due under the boiler is heavy sheet steel. The fire box has a heavy cast iron grate and back wall. The fuel door and opening in ash pit are cast iron. The furnace is made of 14 gauge steel. The boiler or pan is No. 18 gauge steel. Cover is made of No. 20 gauge steel hinged to one side of the boiler and flanged downward, making it steam-retaining. The grate is made especially for coal, wood or cobs. Can be used for boiling sorghum, and water. Prices, F. O. B., Warehouse in Indiana.

Number	Lgth Ins.	Wth. Ins.	Dpth. Ins.	Wt. Lbs.	Cap. Gals.	Price Each
4-A-1974	4	24	12	175	60	\$17.85
4-A-1975	4	24	18	200	90	19.20
4-A-1976	5	24	18	220	115	21.00
4-A-1977	6	28	18	290	160	26.25

## Tank Heater (Self-Sinking)

**\$8.40**



Made of cast iron in one piece. 12 inches wide, 2 ft. high. Heater will sink itself and remain in place. Needs no rods to hold it down. Can be used in galvanized, cement, wood or any other kind of tank. Equipped with grates and ash tray, 2 ft. of smoke stack with damper and hood. Burns cobs, wood or coal.

4-A-1985. Price.....\$8.40

## Galvanized Steel Wagon Tanks



**\$13.65**

For portable engine, gathering maple sap and hauling liquids, manure, etc. The top or cover is made of galv. steel, the tanks are made of No. 20 gauge galv. steel. Sides and bottoms flanged together, riveted between two strips of 1 x 1/2 in. metal, the rivets placed only 3 in. apart. In the top is fastened to tank by flanging sides and top together and riveted or bolted between 1 x 1/2 in. metal. In the center of top there is a 14 in. round manhole with 3 in. flange extending upward with tight fitting cover. Tank is strongly braced; sizes longer than 6 ft. have one bulkhead in center of tank riveted or bolted to the sides, serves to break force of water and supporting the tank against outward pressure. One inch pipe or hose connection placed close to bottom in rear. Tank is made of 20 gauge galv. steel; can make them up in 18 gauge steel at an additional cost of 25 per cent to the prices below quoted. Prices F. O. B. cars N. Ind.

Number	Wd. Ft.	Ht. Ft.	Lgth. Ft.	Cap. Bbls.	Wt. Lbs.	Price Each
4-A-1979	2	2	6	5 1/4	120	\$13.65
4-A-1980	2	2	8	7 1/2	155	16.35
4-A-1981	2	2 1/2	8	9 1/2	168	19.00
4-A-1982	3	2	8	12	191	20.90
4-A-1983	3	2	10	14	236	24.55

## Steel Thresher Tanks

Made of 20 gauge galv. steel, but can make them up in 18 gauge steel at an additional cost of 25 per cent to prices given below. Made with truss support to support contents on a farm wagon bolster. The seams are all soldered inside of tank. Truss support is made of heavy angle iron and in a manner which places the strength at points where most needed. Back of the partition is a 14-inch round manhole with a flange 5 inches high and a tight fitting cover. Across the top of the tank at rear side of manhole is a plank bolted at each end to attach tank pump for filling tank. In the bottom between the front and rear truss we place a 1-inch connection for feed pipe or hose to the engine. The slush board is bolted or riveted to a fastening provided inside of the tank to the side walls, serving to support tank against outward pressure. Our bulkheads are stationary. These tanks will fit any old farm wagon bolster, narrow or wide track. For wide track or 42-inch bolster we bolt a 2x4 piece of wood on each side of truss, front and rear, which makes a close fit.



Number	Lgth Ft.	Wdth. Ins.	Ht. Ins.	Cap. Bbls.	Wt. Lbs.	Price Each
4-A-1987	8	38	24	9 1/2	350	\$35.00
4-A-1988	10	38	24	12	375	39.00
4-A-1989	10	38	28	15	400	41.00



# WIND MILLS



**\$38<sup>40</sup>**

**Direct Stroke  
Galvanized**

## Pumping Wind Mill

Every revolution of the wheel makes a stroke of the pump, which is very desirable where small cylinders are used and a good supply of water is desired. They pump rapidly, are easy to set up. All are ball bearing at both the thrust and bed plate. Wrist pins made of steel and have lock nuts to prevent them working out. Pitmans have removable babbit bearings in each end. For a complete description of the wheel, wheel arms, rudder and rudder stem, read description under back geared mill. The only difference being in the curvature of the fans. Back geared wheels run faster than direct stroke and cannot be used on direct stroke mills.

All Premier Mills are Self Regulating. All bolts on the steel mills are galvanized and double nutted; the second nut acting as a lock-nut to prevent the other from working off. Always state what kind of a tower you will use.

4-A-1777. 8 ft. Direct Stroke, Galv. Steel Mill. Weight, 405 lbs. Price.....**\$38.40**

4-A-1774. 10 ft. Direct Stroke, Galv. Steel Mill. Weight, 520 lbs. Price.....**\$50.00**

4-A-1781. 12 ft. Direct Stroke, Galv. Steel Mill. Weight, 855 lbs. Price.....**\$104.50**

The above price does not include a side rudder.



**Easy  
Running  
Noiseless  
Powerful**

**Guaranteed  
Easy  
Running**

## Ball-bearing-Back Geared

**-- Galvanized --**

The slats or fans are extra heavy, hard spring sheet steel. The arms and rims are made of high grade, round edge tire steel. The rudder is sheet steel bound with 1/4 inch round iron. All parts of this mill are thoroughly galvanized coated. The shafts are cold rolled steel. All bearings not referred to as being ball bearings are babbitted. The stroke is adjustable. No fragile springs or weak parts.

All Premier Mills are complete with bed plate, truing spider and reefing gear to put on tower to disconnected gear, also a wood pump rod and pull out wire. They are equipped with chilled steel ball bearings on the main shaft between the main casting, the wheel, and bed plate. These back geared mills have a small and large cog gear, so that they are extra well adapted for heavy work such as pumping water from deep wells or pumping to a tank in a tower.

4-A-1701. 6 ft. Steel mill. Weight, 290 lbs. Price.....**\$29.85**

4-A-1703. 8 ft. steel mill. Weight, 425 lbs. Price.....**\$37.35**

4-A-1705. 10 ft. steel mill. Weight, 525 lbs. Price.....**\$58.65**

4-A-1707. 12 ft. steel mill. Weight, 890 lbs. Price.....**\$92.80**

Shipped from Factory near Chicago.



**Direct Stroke  
Wood  
Wind Mill**

**\$37<sup>90</sup>**

The direct stroke wind mill is furnished with a side rudder as in the illustration. Aside from being lighter and made of wood it embodies all the principles of light running, noiseless windmills.

The slats in both the mill and rudder are yellow poplar. Wheel arms are tough second growth ash and rims are high grade bending oak. All of these parts have two coats of white lead except the arms, which are blue. Pitmans have babbit bearings throughout. It is very simple in construction and strongly built. The bearings on the main shaft are adjustable. These mills are equipped with governor weight and are self-governing. In ordering, state the kind of tower to be used, whether for 3 or 4 post, steel or wood.

4-A-1781. 8 ft. Weight, 380 lbs. Price.....**\$37.90**

4-A-1783. 10 ft. Weight, 485 lbs. Price.....**\$47.00**

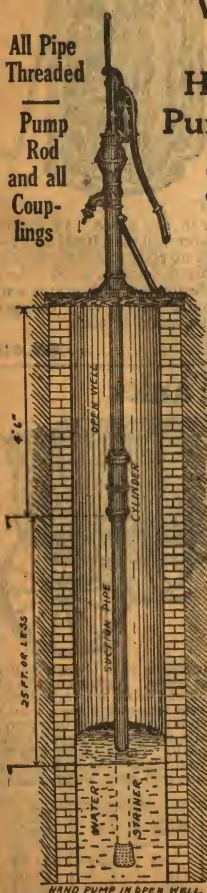
4-A-1785. 12 ft. Weight, 725 lbs. Price.....**\$64.00**

## Wind Mill and Hand Force Pump Outfits

**\$14<sup>00</sup>**

**All Pipe  
Threaded**

**Pump  
Rod  
and all  
Couplings**



In this outfit we offer you our best seller of above ground Force Pumps. 4-A-2365 Pump is built heavy and strong. The back outlet is tapped for 1 inch or 1 1/4 inch Pipe, has a brass stuffing box, solid piston rod, revolving head. Intended for connecting with Heads. Extra long handle.

The spout is fitted for a 3/4 inch hose. May be used in dug wells at 100 ft., if desired, by lowering the cylinder within 16 ft. of water. Cannot be used in driven well more than 25 ft. deep as cylinder must be within 15 ft. of the water.

Complete outfit, consisting of Pump, 3x10 cylinder, 1 1/4 inch galvanized Pipe, Pump Rod and Strainer.

4-A-2121. Outfit for 20 ft. well. Weight, 135 lbs. Price.....**\$14.00**

4-A-2123. Outfit for 30 ft. well. Weight, 180 lbs. Price.....**\$16.00**

4-A-2125. Outfit for 40 ft. well. Weight, 220 lbs. Price.....**\$18.00**

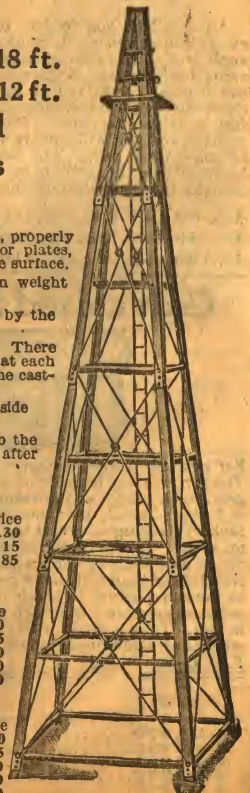
4-A-2127. Outfit for 50 ft. well. Weight, 250 lbs. Price.....**\$20.00**

4-A-2129. Outfit for 60 ft. well. Weight, 280 lbs. Price.....**\$22.00**

4-A-2131. Outfit for 75 ft. well. Weight, 325 lbs. Price.....**\$25.00**

## Wind Mill Towers -- Galvanized --

**For  
6 ft. - 18 ft.  
10 ft. and 12 ft.  
Wind  
Mills**



Long, heavy sectional angle steel Corner Posts, properly sized, bolted at bottom to heavy castiron anchor plates, which rest on the ground or made to set under the surface.

Angle steel bands brace the tower, graded in weight for maximum strength.

The Brace Rods are round iron, strengthened by the use of a brace rod clamp where rods cross.

The Pump Rod Guide and Internal Brace. There are 4 rods coming from each corner to the center at each sectional brace. The pump rod works through the casting of the intersecting rod guides.

Special safety steel, securely bolted, ladder; tire side affair.

The Platform is strong, and securely bolted to the tower. The galvanizing on these towers is done after every part is complete.

No. 1 Four-Post Galvanized Steel Towers.

4-A-1751. For 6 and 8 ft Wind Mills.  
Wt. lbs. Price  
20 ft. No. 1, 4-post..... 335 \$23.30  
30 ft. No. 1, 4-post..... 475 32.15  
40 ft. No. 1, 4-post..... 630 46.85

No. 2 Four-Post Galvanized Steel Towers.

4-A-1753. For 8 and 10 ft. Wind Mills.  
Wt. lbs. Price  
20 ft. No. 2, 4-post..... 375 \$25.90  
30 ft. No. 2, 4-post..... 600 35.75  
40 ft. No. 2, 4-post..... 700 52.00  
50 ft. No. 2, 4-post..... 900 71.50  
60 ft. No. 2, 4-post..... 1210 98.00

No. 3, Four-Post Galvanized Steel Towers.

4-A-1755. For 10 and 12 ft. Wind Mills.  
Wt. lbs. Price  
20 ft. No. 3, 4-post..... 445 \$32.00  
30 ft. No. 3, 4-post..... 635 45.85  
40 ft. No. 3, 4-post..... 900 64.80  
50 ft. No. 3, 4-post..... 1265 88.50  
60 ft. No. 3, 4-post..... 1640 112.50



# A Selection of Quality Pumps Priced Low

## Extra Heavy Hand Force Pump

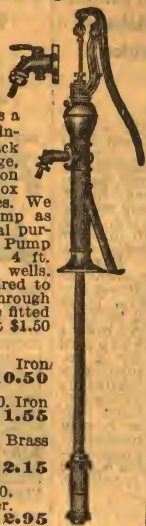
For deep or shallow wells made of the best materials by skilled mechanics. Extra long handle. This pump is anti-freezing. Has a large air chamber, internal air tubes, back outlet for discharge, brass covering, piston rod, brass stuffing box and heavy cast braces. We recommend this Pump as the very best general purpose Hand Force Pump made. Fitted with 4 ft. set length for 25 ft. wells. If this Pump is desired to discharge water through back outlet it can be fitted with a cock spout at \$1.50 additional.

4-A-2357. 3x10. Iron Cylinder. Price...\$10.50

4-A-2359. 3½x10. Iron Cylinder. Price...\$11.55

4-A-2361. 3x10. Brass Body Cylinder. Price...\$12.15

4-A-2363. 3½x10. Brass Body Cylinder. Price...\$12.95



## Extra Heavy Windmill and Hand Force Pump

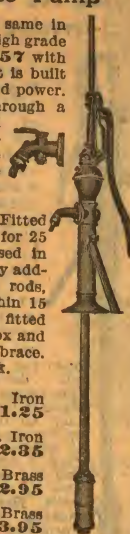
This pump is the same in construction as our high grade Pump No. 4-A-2357 with the exception that it is built for windmill and hand power. Will force water through a hole to any desired elevation. If it is desired to discharge water through the back outlet order with with cock spout at \$1.50 additional. Fitted with 4 ft. set length for 25 ft. well. Can be used in deeper wells by simply adding pipe and pump rods, keeping cylinder within 15 ft. of the water. Is fitted with brass stuffing box and heavy cast iron brace. Built for heavy work.

4-A-2365. 3x10. Iron Cylinder. Price...\$11.25

4-A-2367. 3½x10. Iron Cylinder. Price...\$12.35

4-A-2369. 3x10. Brass Cylinder. Price...\$12.95

4-A-2371. 3½x10. Brass Cylinder. Price...\$13.05



## Double Acting Ratchet Head Force Pump

This Pump has adjustable base brass upper cylinder goose neck spout with hose connections, constructed to go in 5½ in. casing ratchet or gear head. It is an up-to-date and improved pump. By this construction the leverage is so much increased that a deep well being hard to pump with a fulcrum handle becomes easy to work with a Ratchet Head Pump. We furnish with this pump a lower cylinder which can be lowered to within 10 ft. of the water and used wells of nearly any depth.

4-A-2411. 2½ x 10. Polished Iron Cylinder. Price...\$10.50

4-A-2413. 3 x 10. Polished Iron Cylinder. Price...\$10.80

4-A-2415. 2½ x 10. Brass Cylinder. Price...\$12.00

4-A-2417. 3x10. Brass Cylinder. Price...\$12.50



6<sup>95</sup>

Pumps Are Divided Into Two Classes -- Lift Pumps and Force Pumps



Write us for General Pump Information, Instructions, Capacity, etc.

## Premier Wind and Hand Force Pump Standard

The Premier Windmill standard is designed for Windmills and Hand Force Pumps. Another all above ground Force Pump which is built heavy and strong with a plain or cock spout as desired. Fitted for 1½ in., 1¾ in. or 2 in. Pipe and with back outlet for 1½ in. Pipe. Brass stuffing box, piston rod, revolving head, extra long handle and heavy braces. There is nothing better in Force Pump Standard. This is not a complete Pump and the price includes standard only. Standard is fitted for 4 in. stroke. In ordering, be sure and specify size of pipe for which you wish Pump fitted. Cock Spout for \$1.50 additional.

4-A-2373. Fitted for 1½ in. or 1¾ in. pipe. Price...\$8.25

4-A-2375. Fitted for 2-inch pipe. Price...\$9.20



## Double Acting Horizontal Force Pump

Brass lined cylinder, extension air pump brass piston, rod and valve seats, easy working, compact, powerful, substantial. This pump is used on our water works outfits for pumping water and air. This is the most powerful, reliable and efficient pump made for elevating water from well or cistern to attic tank or upper floors. Easy working against high pressure. It is double acting and has a capacity of about 300 gallons per hour. Has iron handles and provided with convenient hand holes. Each pump is tested at our factory and is guaranteed positively water and air tight. Cylinder heads are removable. Valves are easily unpacked by unscrewing. Piston rod and valve seats are brass. Both sides are tapped for 1½ in. suction and 1 in. discharge.

4-A-2395. Horizontal Force Pump, 3-in. brass lined cylinder. Price...\$13.65

When pump is used as combined water and air pump, we furnish same pump equipped with ¼ in. pet cock and ¼ in. check valve. Has pneumatic attachment to screw in cylinder head. To pump air and water simply open pet cock.

4-A-2455. Combined Water and Air Pump. Price...\$15.30



## OUR LEADER PUMP

The greatest pump bargain ever offered. Has a regular 4 ft. set length. Adapted for cisterns or wells not over 25 ft. deep. By lowering cylinder within 10 ft. of water it can be used in deeper wells. Has 6 in. stroke. Fitted with 3x10 iron cylinder. The top is a separate casting attached with a set screw, allowing you to set the handle to any position you wish. Body is cast and is large and strong and nicely finished. A wonderful bargain.

4-A-2267. Price...\$6.95

## Our Renown Force Pump

A Force Pump that will do the business and is very cheap. Complete with hose connection. A wonderful bargain and gives absolute satisfaction. Cylinder 4 ft. down for cistern wells or wells 25 ft. deep or less. This pump, however, is adapted to wells as deep as 50 or 75 ft. The base may be adjusted after the pump is set by merely unloosening the set screw or raising or lowering the pump to the upper height.

4-A-2401. 3 x 10. Iron Cylinder. Price...\$8.55

4-A-2405. 3 x 10. Brass Cylinder. Price...\$10.50

For Windmill Head add...\$2.50



## Double Acting Under Ground 3-Way Force Pump

The latest thing in an Improved Anti-Freezing Hand Pump, for any depth well. For windmill or hand power. Quick-acting cam, 3-way lever, adjustable base, cast iron brace, large air valve, complete with hose connection, also cylinder and strainer. This is the best force pump to purchase for general purposes. It will discharge a great stream of water to any distance. Can be fitted with 1½ in. pipe without extra cost and with adjustable stroke. 6, 8 and 10 in. at an additional cost of \$2.00.

Ratchet Head at additional cost of \$2.50.

4-A-2435. 2½ x 10. Brass Body Cylinder. Price...\$14.65

4-A-2437. 3 x 10. Brass Body Cylinder. Price...\$15.00

4-A-2439. 3½ x 10. Brass Body Cylinder. at...\$15.75



## Double Acting Hand Force Pump

This Double Acting Force Pump has adjustable base, brass upper cylinder, goose neck spout with hose connection, constructed to go inside 5½ in. casing. Especially adapted to use with hose about house or barn throws a steady stream and is easy to operate. This is a very neat, high class force pump at a very low price. For wells deeper than 25 ft. add pipe and pump rods to put cylinder down within 10 to 15 ft. below water mark in well.

4-A-2427. 2½ x 10. Iron Cylinder. Price...\$10.60

4-A-2429. 3 x 10 in. Iron Cylinder. Price...\$10.90

4-A-2431. 2½x10 in. Brass Cylinder. Price...\$12.10

4-A-2433. 3 x 10 in. Brass Cylinder. Price...\$12.60



## Premier Double Acting 3-Way Pump

For windmill and Hand Power Under Ground Double Acting 3-Way Force Pump. This Pump is one of the most popular sellers which we have ever offered. They simply give perfect satisfaction under all conditions. This Pump is fitted with an up-to-date cam lever for quick adjustment and distributing valve. By merely throwing the lever you can change the Pump from spout supply to third way supply and force the water to tank or out on the lawn or any place you may desire. Pump is fitted with adjustable base, hose connection, strainer, brass upper cylinder, adjustable stroke and is tapped for 2 in. pipe with wood rod connection for tubular wells of any depth.

4-A-2425. Without lower cylinder. Price...\$14.15





# Dependable Pumps and Sprays

## Pitcher Spout Pumps



**\$2.40**

For cisterns and shallow wells. Bored and polished, finished with two coats green enamel paint, bronze stripping. Bearer top revolves so handle can operate at any angle by raising handle to extreme height. Can drain to prevent freezing. Fitted for 1 1/4-in. pipe unless otherwise specified.

4-A-2251. Size No. 2, 3 in. Iron Cylinder. Price...**\$2.40**

4-A-2253. Size No. 2, 3 in. Brass Body Cylinder. Price...**\$4.10**

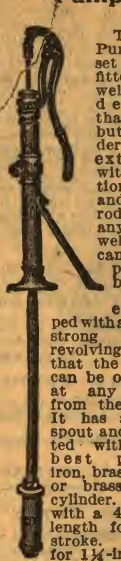
## Heavy Hand Lift Standard



This is a very practical standard to use in drilled or dug wells. Prices quoted are for standard without cylinder. This standard can be used with our Cylinder 4-A-2723, 4-A-2724, 4-A-2725.

4-A-2299. Price...**\$4.20**

## Perfection Anti-freezing Lift Pump



This Pump is set length fitted for wells not deeper than 25 ft., but cylinder can be extended with additional pipe and pump rod into any depth well that can be pumped by hand. It is equipped with a heavy, strong handle, revolving top so that the handle can be operated at any angle from the spout. It has a large spout and is fitted with very best, polished iron, brass lined, or brass body cylinder. Fitted with a 4-ft. set length for 6-in. stroke. Fitted for 1 1/4-in. Pipe.

4-A-2269. 2 1/2x10 in. Iron Cylinder. Price...**\$7.10**

4-A-2271. 3x10-in. Iron Cylinder. Price...**\$7.35**

4-A-2275. 2 1/2x10-in. Brass Body Cylinder. Price...**\$8.80**

4-A-2277. 3x10-in. Brass Body Cylinder. Price...**\$9.20**

## Closed Top Anti-freezing



This Pump is designed for use in Public places where children or meddlesome grown-ups may drop stone, metal, etc., into the open top that will damage the valves or make it necessary to open up for repairs. It is built for deep drilled and dug wells, also for drive wells. Has revolving top. Furnished in either iron, brass lined or brass body cylinder. This pump is furnished with cylinder placed 4 ft. down for 25 ft. well but can be fitted for any depth well by using additional pipe, keeping cylinder within 15 or 20 ft. of the water. Fitted for 1 1/4-in. Pipe.

4-A-2261. Price with bucket attachment...**\$4.20**

4-A-2261. Price, fitted with foot holder instead of bucket attachment...**\$4.25**

## Improved Windmill Standard Adjustable Stroke



Specially adapted for deep hard pumping wells. Fitted with strong long range bearer top, long heavy handle and adjustable stroke, 6, 8 and 10 in. For Windmills, Gasoline Engines, Pump Jacks or Hand Power Fitted for 1 1/4, 1 1/2 or 2 in. pipe. Always shipped for 2 in. pipe with malleable connections for wood pump rods unless otherwise specified.

4-A-2297. Price...**\$7.50**

## Two-Way Kitchen Force Pump



This Pump is fitted with brass cylinder, brass valve seats, brass piston rod and stuffing box. It is tapped on top in the back of the head for 1-in. discharge pipe. Has a spacious air chamber directly over cylinder at rear of Pump with brass compression top with hose connection. It is a very powerful Pump and will maintain a high pressure. We recommend that this Pump be placed within 25 ft. of the water. Complete with cock, spout.

4-A-2263. Size No. 1. 2 1/2-in. Brass Cylinder fitted for 1 1/4-in. pipe. Price...**\$5.95**

4-A-2265. Size No. 2. 3-in. Brass Cylinder fitted for 1 1/4-in. pipe. Price...**\$6.45**

## Improved Kitchen Force Pump



This Pump has a brass cylinder, brass valve seat, brass piston rod and stuffing box. Combines both features of a lift and force pump with a syphon spout with hose connection. It is tapped on top in the back of the head for a 1-in. discharge pipe. It will force the water to any desired elevation to the second or third floor or out on the lawn. The Trip to drain this Pump is operated by raising the handle to the extreme height.

4-A-2264. Size No. 1. 2 1/2-in. Brass Body Cylinder fitted for 1 1/4-in. pipe. Price...**\$5.15**

4-A-2266. Size No. 2. 3-in. Brass Body Cylinder, fitted for 1 1/4-in. pipe. Price...**\$5.65**

## Anti-freezing Windmill and Hand Lift Pump



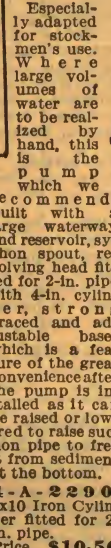
This is a very substantial general purpose Pump. Built specially strong for heavy pumping. It can be quickly changed from hand to windmill by simply withdrawing the malleable pump pin from the pump handle to connect on the windmill pump rod. Furnished with the best polished iron, brass lined or brass body cylinder.

Pump is furnished with a 4-ft. set length suitable for top wells up to 30 ft. deep. Also can be used for wells for any depth by using additional pipe and pump rods. Always keep the cylinder within 10 to 15 ft. of the water.

4-A-2293. 3x10-in. Iron Cylinder fitted for 1 1/4-in. pipe. Price...**\$8.60**

4-A-2295. 3x10-in. Brass Body Cylinder fitted for 1 1/4-in. pipe. Price...**\$10.45**

## Big Mouth Stock Pump



Especially adapted for stockmen's use. Where large volumes of water are to be realized by hand, this is the pump which we recommend. Built with a large waterway and reservoir, syphon spout, revolving head fitted for 2-in. pipe with 4-in. cylinder, strong braced and adjustable base, which is a feature of the great convenience after the pump is installed as it can be raised or lowered to raise suction pipe to free it from sediment at the bottom.

4-A-2290. 4x10 Iron Cylinder fitted for 2-in. pipe. Price...**\$10.50**

4-A-2292. 4x10 Brass Cylinder fitted for 2-in. pipe. Price...**\$13.55**

## Double Acting Air Pump



This pump has a 36 in. iron handle, which gives ample leverage so that it can be operated with very little exertion. The cylinder and valves are of brass and pump is double acting and will provide a large column of air. The pump handle can be removed when pump is not in use. Diameter of the cylinder, 3 1/2 ins.; length 5 ins.

4-A-2421. Price...**\$13.50**

## "Perfection" Spray Pump



These Pump Barrels are made of seamless brass tubing. The bottom is brass with brass gauze strainer. The valves are hard vulcanized rubber balls. The pressure which is brought on the down stroke can be easily made from 75 to 125 lbs. The nozzle will throw a spray or solid stream, sprinkle or fine mist. Every pump is equipped with agitator to keep spraying solution stirred up. Each pump is fitted with 3 ft. of extra heavy 4 ply hose and nozzle.

4-A-2601. Price with bucket attachment...**\$4.20**

4-A-2601. Price, fitted with foot holder instead of bucket attachment...**\$4.25**

**\$14.40**

## Premier Thresher Tank Pumps

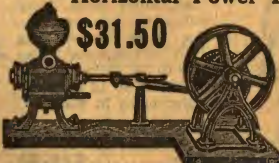


Large capacity double acting five-inch cylinder especially recommended where a large amount of water is required. Capacity, one to two barrels per minute. Furnished with goose neck discharge for one-inch hose, and suction for two-inch hose connection. By removing couplings can be used for two-inch iron pipe connection, or smaller size by using proper bushings. Has reversible head so that handle may be used on either side. Has brass valve seats and is superior to any tank pump on the market today. Suction strainer furnished free of charge with each pump.

4-A-2457. Pump complete as described. Price...**\$14.40**

4-A-2459. Five inches crimped plunger leathers for pump, per set of two...**\$1.00**

## Horizontal Power Force Pump



Capable of working against moderately high pressure. All Bearings are babbitted. Valves are brass with leather facing. Has brass Stuffing Nut. Cross Head is heavy malleable iron. Air cocks are provided to drain pump in cold weather. Occupies floor space 22x44 inches. Has a vertical suction lift 30 feet or less. Size tight or loose pulleys, 14x2 1/2 inches. Gearing ratio 3 to 1. Shipped from factory, Central Indiana.

4-A-2537... 3 in. 1 1/2 in. 1 1/4 in. **\$31.50**

## Rotary Power Force Pump



Largest capacity power force pump made. Especially adapted for irrigation purposes. Will force water 200 feet and throw a solid stream of water 30 feet. Spout is threaded for iron pipe at end and also at top. Bearings are babbit lined. Cap on upper discharge can be placed on end of spout and water discharged vertically.

4-A-2503... 13 1/4 1 1/2 7x2 1/2 **\$15.40**

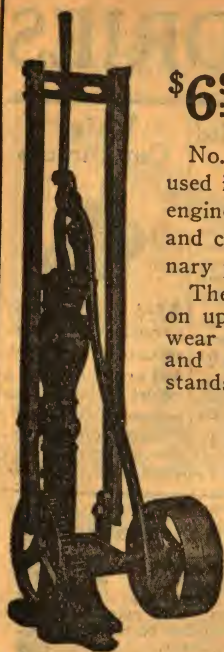
4-A-2507... 17 1 1/2 8x2 1/2 **\$19.60**

4-A-2509... 27 2 1 1/2 12x3 1/2 **\$34.70**

4-A-2511... 36 2 2 12x3 1/2 **\$39.35**

4-A-2513. Balance Wheel and Handle for Hand Power, extra...**\$6.25**





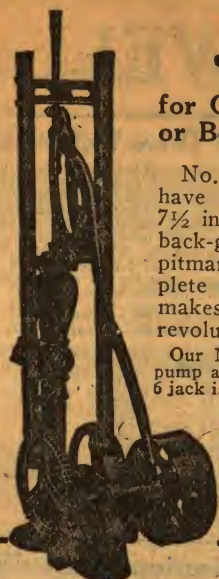
## PUMP

**\$6<sup>95</sup> for Gas Engines  
or Belted Power**

No. 550 and No. 660 Jacks are used in connection with gasoline engines or any other belt power and can be attached to any ordinary pump stand.

The pitman rods are vertical on up stroke so there is no side wear on the piston bar of pump, and are adjustable for pump stands of different heights.

Furnished with tight and loose pulleys, 12 inches in diameter, for 2-inch belt, and should be driven from 150 to 200 revolutions per minute.



## JACKS

**for Gas Engines \$5<sup>95</sup>  
or Belted Power**

No. 550 and No. 660 Jacks have three strokes—5 inch, 7½ inch and 10 inch, and are back-geared 4¼ to 1 so the pitman rod makes one complete stroke while the pulley makes four and one-quarter revolutions.

Our No. 5 jack clamps direct to pump as shown in illustration. No. 6 jack is so constructed that it bolts to same platform that pump is attached to and can be used on the floor, wall or ceiling. This jack we recommend where it is not possible to clamp direct to pump.



Clamps  
Direct  
to  
Pump

## Double Back-Geared Pump Jack, \$8.75

Fitted with two sets of driving gears. Has double the strength of the single geared type. Recommended for very deep wells.

It has three strokes, 4½, 7 and 10 inches, and is back geared 9¼ to 1, so that the driving pulley makes about 300 revolutions per minute while the pump is making 30 strokes per minute.

This is a most excellent jack to use with all sizes of gasoline engines; if you have a small engine you can belt direct without reducing its power or slowing engine down.

Pulleys are 12 inches diameter for 2-inch belt, but if these sizes do not give you the required speed other diameter pulleys can be furnished at a nominal cost. Weight, 96 pounds.

8-A-770. Double Back Geared Pump Jack. Price..... \$8.75

**8-A-660  
BASE JACK  
Weight, 80 lbs.**

**8-A-550  
CLAMP JACK  
Weight, 70 lbs.**



### Pump Cylinders

The most important part of the pump—Our cylinders are most carefully made, bored true, and plungers fit accurately.

A 10-inch cylinder has a 6-inch stroke; a 12-inch cylinder an 8-inch stroke; a 14-inch cylinder a 10-inch stroke and a 16-inch cylinder a 12-inch stroke.

2-inch cylinders are fitted for 1-inch pipe; 2½ or 3-inch cylinders fitted for 1¼-inch pipe; 3½-inch for 1½-inch pipe and 4-inch cylinders fitted for 2-inch pipe.

We recommend brass-body cylinders.

### Iron Body Brass Lined Cylinders

**4-A-2723.**

Diam. Inch	Length, Inches			
	10	12	14	16
2.....	\$2.75	\$2.90	\$3.10	\$3.52
2½.....	2.95	3.15	3.40	3.17
3.....	3.30	3.50	3.90	4.95
3½.....	3.85	4.10	4.50	4.45
4.....	4.80	5.25	5.80	6.55

### BRASS BODY CYLINDERS WITH ALL BRASS PLUNGERS 4-A-2724 ½.

Diam. Inch	Length, Inches			
	10	12	14	16
2.....	\$4.95	\$5.70	\$6.05	\$6.45
2½.....	5.25	6.00	6.50	7.40
3.....	6.00	6.80	7.25	7.90
3½.....	7.10	8.50	9.10	9.90
4.....	9.60	11.15	11.75	12.70

### TUBULAR WELL VALVES



Our Tubular Well Valves are heavy and strong and of the best quality of brass, carefully and well finished inside and out, fitted with the best oak tan leathers.

Prices quoted below per set consist of check and plunger valve.

No.	Size In.	Lea.	Price Set	No.	Size ins.	Lea.	Price Set
4-A-2788	2	2	\$3.00	4-A-2791	2½	4	6.00
4-A-2789	2	4	3.75	4-A-2792	3	2	7.00
4-A-2790	2½	2	4.85	4-A-2793	3	4	8.60

### Eureka Tubular Well Cylinder

Made of seamless drawn brass tubing with brass valves and designed to fit inside of the pipe in sizes as listed. The cylinder is perfectly flush, having no caps, making it possible to be slipped into pipe and set at any depth desired.

It can be readily removed for repairs or taken up and replaced in another well.

A seating tool is used for this purpose in connection with 1-inch pipe of sufficient length to lower seating tool to the depth which cylinder is to be placed. A spring coupling holds firmly to the walls inside of pipe. Length of stroke 12 inches.

Number	Size	Each
4-A-2777.	2 inch	\$5.80
4-A-2778.	2½ inch	8.85
4-A-2779.	3 inch	12.75



### ALL IRON CYLINDERS

**4-A-2725**

Diam. Inch	Length, Inches			
	10	12	14	16
2.....	\$1.45	\$1.90	\$2.15	\$2.20
2½.....	1.68	2.15	2.30	2.50
3.....	1.95	2.50	2.70	2.85
3½.....	2.72	3.20	3.55	4.00
4.....	3.45	4.10	4.60	5.15



### LOWER VALVE LEATHERS

4-A-2726. Made from the best oak tanned leather.

Diam., Cylinder..	2	2½	3	3½	4
Each.....	5c	6c	9c	11c	15c

### PLUNGER LEATHERS

4-A-2727. Made from best oak tanned leather.

Diam., Cyl...	2	2½	3	3½	4
Each.....	10c	12c	15c	23c	28c



# PUMP AND WELL ACCESSORIES



## Stuffing Box Heads

Used in connection with tubular wells in place of Pump Standards.

Stuffing Box Head (Fig. No. 1) with side outlet made of iron with polished steel rod. Fitted at top end with square wood rod socket.

Number	Pipe size, Inches	Stroke, Inches	Price, Each
4-A-2643	1 1/4	10	\$3.95
4-A-2645	1 1/2	10	3.95
4-A-2647	2	10	3.95

(Fig. No. 2), made of iron with 1/2-inch polished steel pump rod.

Number	Size, Pipe Inches	Stroke, Inches	Price, Each
4-A-2649	1 1/4	10	\$2.20
4-A-2651	1 1/2	10	2.20
4-A-2653	2	10	2.20

(Fig. No. 3), made of cast brass with 1/4-inch polished steel pump rod.

Number	Pipe, Size Inches	Stroke, Inches	Price, Each
4-A-2655	1 1/4	10	\$2.95
4-A-2657	1 1/2	10	2.95
4-A-2659	2	10	2.95



## Gauze Covered Strainers

4-A-2671. Used on the end of well and cistern pipe and is covered with brass cloth.

Size, inches..... 1 1/4 1 1/2 2  
Price, each..... 31c 36c 40c 56c



## Tank Floats

To be used in connection with Float Valves. Stem being attached to valve lever to open and close automatically.

5-A-2689. Copper Floats. Size, 9 1/2 x 2 1/4 inches. Price, each..... \$1.40  
5-A-2690. Copper Tank Floats. Size, 12 x 3 inches. Price, each..... \$1.90

## Little Giant Pipe Holder

4-A-2685. A new device for holding pipe. Will hold pipe sizes 1, 1 1/2 and 2 ins. Dog has corrugated chilled surface, making it impossible for the pipe to slip. Strongly made and well finished. A thoroughly practical and satisfactory tool.

Price..... \$2.65

## Float Valves



5-A-2687. Reversible Float outlet valves for automatically controlling the flow of water in reservoirs, stock tanks, cisterns, etc., and is equally effective under high or low pressure. Valve opens with flow instead of against it. Valve will not stick and is not injured by freezing. By reversing the lever a perfect outlet valve is obtained.

Size, inches..... 1/4 1 1 1/4  
Price, each..... \$1.40 \$1.58 \$1.68



## Drive Well Points

They are made of wrought iron pipe, galvanized inside and out after the holes are punched. They are covered with brass gauze and have a great altering surface. No. 60 gauze is generally used. No. 100 gauze is for quicksand. We can furnish either flush point for tubular well or with cast point for driving. Be sure and give number when ordering.

4-A-2661. Cast Point.  
4-A-2663. Flush Point.

Diam. Inches	Length Inches	No. 60 gauze	No. 100 gauze
1 1/4	24	\$1.60	\$3.50
1 1/2	30	2.00	4.40
1 3/4	36	2.45	5.25
1 3/4	42	2.85	6.10
1 3/4	30	2.60	5.15
1 3/4	36	3.15	6.20
1 3/4	48	4.20	8.00
2	36	4.60	8.25

## Perfection Hydraulic Rams



Here is one of the most wonderful machines for water supply. It will automatically lift water to a tank or reservoir, providing it is placed so as to obtain a fall of 2 ft. or more from the stream, or source of supply to this ram. An example: If you are near a stream of water, so situated that you can secure a fall of 2 ft. or more from the water to the location of the ram, the ram will automatically discharge a certain portion of the water to a point considerably above and beyond the ram.

Ram should be placed below a Spring or stream of water at a distance varying from 25 to 50 feet. For every 10 ft. that you wish to elevate the water, the ram must be placed one foot below the level of the Spring. Should you wish to elevate the water to a height of 50 ft., ram would have to be placed at a point 5 ft. lower than the source of supply. A ram with a 10 ft. fall will drive about 1-7 of the water furnished a distance of 100 to 200 rods to a position 100 to 200 ft. above the level of the ram.

Order No.	Size No.	Supply per min. to operate Ram, Gals.	Length of Drive Pipe, Ft.	Caliber of Pipes Ins.	Dr.	Dls.	Price
4-A-2517	3	2 to 4	50 to 75	1 1/2	1/2		\$15.25
4-A-2519	4	3 to 7	50 to 100	1 1/2	3/4		19.25
4-A-2521	5	6 to 11	50 to 150	2	1		23.00
4-A-2523	6	11 to 25	50 to 200	2 1/2	1 1/4		48.00

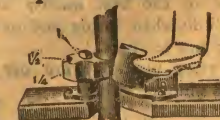
## Pump Stock and Dies



4-A-2619. 2 dies and 1 stock. Will cut full threads. Size, inches, 1/2 and 3/4. Price, each..... \$3.35

## Monitor Pipe Holder

4-A-2683. Capacity from 1 to 2 ins. Simple in construction and easily operated. The dog is chill hardened and will not wear. Grips the pipe perfectly and guaranteed not to slip.



Price..... \$5.60

## Foot Valves



A combination Foot Valve and Strainer. It is placed on the end of pipe in the bottom of cistern or well and prevents anything passing into the pipe and thereby choking the cylinder. It also serves the purpose of a check valve, keeping water in the pipe and making priming unnecessary.

Number	Size	Price
21-A-2664.	For 1 in. pipe.....	\$0.53
21-A-2665.	For 1 1/4 in. pipe.....	.61
21-A-2667.	For 1 1/2 in. pipe.....	.78
21-A-2669.	For 2 in. pipe.....	1.05

## Galvanized Pump Rod Couplings



To be used in connection with galvanized steel Pump Rod. These couplings are malleable iron heavily galvanized and are threaded.

4-A-2613. Size, 1/2 in., 14 threads to the inch. Price, each..... 5c

4-A-2615. Size, 3/4 in., 14 threads to the inch. Price, each..... 6c

4-A-2617. Size, 1 1/4 in., 14 threads to the inch. Reducing pump rod coupling. Price, each..... 7c

## Water Conductors



21-A-2673. Used to conduct water from spout of pump to tank and are made with a swivel so water can be carried in any direction from the pump. Size, inches..... 1 1/4 1 1/2  
Price, each..... 67c 67c

## Murdock Lawn Hydrants

4-A-2693. The body of this Hydrant is ornamental and anti-freezing. When shut off, the valve at the bottom drains the body of the Hydrant. This valve can be removed from the top and be repaired without taking up the hydrant.

The tops of these hydrants are well constructed and nicely finished. All parts are made from the very best material and each hydrant is fully guaranteed.

Size, inches..... 1/2 3/4 1 1 1/2  
To set in ground, ft. 3 4 3 4  
Price..... \$5.50 \$6.05 \$6.90 \$7.40



## Drive Caps

4-A-2677. Used for driving pipe for Drive Wells. Guaranteed not to crush the thread.

Size, inches..... 1 1/4 1 1/2 2 2 1/2 3 4  
Price, each..... 25c 31c 52c \$1.26 \$1.58 \$1.90



## Cast Steel Drive Shoes



4-A-2679. These shoes are made of cast special steel and have a recess as shown in illustration, to prevent the pipe from spreading or breaking off at end of threads. They have an inside shoulder to prevent the pipe from being forced through the shoe.

Size	Price Each	Size	Price each
2 inches.....	\$0.90	4 inches.....	\$2.95
2 1/2 inches.....	1.25	4 1/4 inches.....	4.20
3 inches.....	1.68	5 inches.....	4.75
3 1/2 inches.....	2.80	6 inches.....	7.25

## Babcock Pipe Lifter and Holder

4-A-2681. Used by well drillers. It is simple and perfect in its operation, guaranteed not to tear or damage pipe. Handles pipe from 1 to 2 inches inclusive.

Approximate weight, 45 pounds.  
Price..... \$7.00



## Well Wheels



4-A-2576. For use with rope, size, 1/2-inch or smaller. Can also be used with regular well chain. Width of frame, 10 inches. Japanned finish.  
Price..... 90c



# General Hardware at Big Savings

## PREMIER WARRANTED FILES

Square  
Edge  
Mill Files

**4-A-4501**  
Length, inches. 4 6 8  
Price, each... 10c 12c 15c  
Length, inches... 10 12 14 16  
Price, each... 19c 26c 38c 52c

The best cutting and most satisfactory files manufactured. Made of special crucible steel, carefully hardened and tempered.

Flat  
Bastard  
Files

**4-A-4502**  
Length, ins. 4 5 6  
Price, each... 13c 14c 15c  
Length, ins. 8 10 12 14 16  
Price, each... 19c 25c 35c 46c 64c



### RURAL MAIL BRASS PADLOCK

Solid hard brass inside works. Will not rust or corrode. Automatic spring shackle. Price includes 2 keys with each lock. One master key for use of mail carrier furnished with each dozen locks.

**4-A-3747.** Price, each, without chain... **55c**  
**4-A-3749.** With 6 inch brass chain. Price, each... **65c**



### BRONZE BICYCLE LOCK

Extra strong shackle and bolts, self locking spring shackle furnished with 10-inch nickel plated steel chain, with solid steel ring; 2 keys. A strictly first class lock.

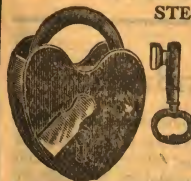
**4-A-3745.** Price... **45c**



### 6-LEVER WROUGHT STEEL

Solid rod steel, case heavily brass plated and handsomely finished; six screw levers, all brass inside work; self locking spring shackle; 2 flat steel keys.

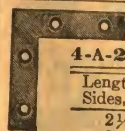
**4-A-3739.** Price, each... **49c**



### STEEL LOCK WITH BRASS DROP

Brass cover key hole, case made of annealed steel, contains no rivets or loose bolts, shackle made of highest quality malleable iron, 2 keys.

**4-A-3727.** Price, each... **30c**

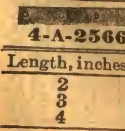


### WROUGHT STEEL FLAT CORNER IRON

**4-A-2565**

Length of Sides, Ins.	Width Inches	Price per Doz.
2 1/2	1 1/2	22c
3	2	24c
4	2 1/2	29c
4	3	36c

Less screws.



### WROUGHT STEEL MENDING PLATES

**4-A-2566**

Length, inches	Width, inches	Price, per Doz.
2	1/2	21c
3	3/4	29c
4	1	36c

Less Screws.



### WROUGHT STEEL CORNER IRON

Length of Sides, Ins.	Width, inches	Price, per Doz.
1	1/2	15c
1 1/2	1	19c
2	1 1/2	24c
2 1/2	2	32c
3	2 1/2	39c
4	3	68c

**4-A-2567**  
Less screws.

### HALF ROUND BASTARD FILES

**4-A-4507**

Length, inches... 6 8 10 12 14  
Price, each... 21c 27c 32c 42c 55c

### ROUND BASTARD FILES

**4-A-4505**

Length, inches... 4 5 6 8 10 12  
Price, each... 10c 11c 13c 15c 20c 27c

### SQUARE BASTARD FILES

**4-A-4509**

Length, inches... 4 5 6 8 10 12  
Price, each... 13c 15c 17c 19c 26c 36c

### MILL FILES—ONE EDGE ROUND

**4-A-4511**

Length, inches... 8 10 12 14  
Price, each... 17c 22c 30c 50c

### TAPER SAW FILES—SINGLE CUT

**4-A-4513**

Length, inches... 3 4 5 6 7 8  
Price, each... 7c 7c 9c 12c 15c 19c

### SLIM TAPER SAW FILES—SINGLE CUT

**4-A-4515**

Length, inches... 3 4 5 6 7 8  
Price, each... 7c 7c 9c 11c 14c 16c



### CANT SAW FILE

**4-A-4517**

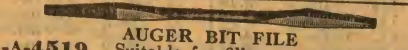
Length, inches... 5 6 7 8  
Price, each... 16c 19c 22c 30c



### HALF ROUND WOOD RASP

**4-A-4521**

Length, inches... 8 10 12 14  
Price, each... 40c 47c 70c 90c



### AUGER BIT FILE

**4-A-4519.** Suitable for filing any size auger bit without filing the screw or lip. Will save auger bits. Each... **10c**



### HUNTINGTON PATTERN EMERY WHEEL DRESSER

This Emery Wheel Dresser is used for purposes of truing, shaping and removing glaze from emery wheel while running at full speed. This tool will entirely remove glaze thereby causing the emery wheel to grind properly

**4-A-2662.** Price, with two sets of cutter. **56c**  
**4-A-2666.** Extra cutters, per set... **8c**

### HOLLOW HANDLE AWL SET

**4-A-4539.** Hollow hardwood handle, 5 inches long, containing 50 ft. best waxed linen shoe thread, 3 awls and 5 needles, assorted sizes. Price... **80c**



### WROUGHT STEEL PADLOCK

Heavily brass plated with self locking spring shackle, 6 screw levers, 2 double fitted barrel keys.

**4-A-3757... 40c**



### 8-LEVER RUST-PROOF STEEL

Heavily brass plated with heavy self locking spring shackle, 6 screw levers, 2 double heated barrel keys and strong durable lock. An exceptional value.

**4-A-3755.** Price... **80c**



### ORNAMENTAL STEEL LOCK

**4-A-3729.** One of our best values, ornamental brass plated steel case, strong spring shackle self locking with 2 flat steel keys. Price... **27c**



### 3-LEVER BRASS PADLOCK

For outside use, heavy spring shackle, self locking, 2 flat steel keys. **4-A-3753 55c**



### SOLID STEEL PADLOCK

**4-A-3725.** Stronger and more durable than the old steel rod iron padlock. Case is made of annealed steel, contains no rivets or loose parts. Japan finish polish shackles, with 2 keys. Price, each... **20c**



### STEEL WIRE FILE CLEANER

**4-A-4533.** Made with steel wire bristles. Price... **12c**



### WOOD FILE HANDLES

**4-A-4537.** Furnished in three sizes, large, medium and small. Be sure and give size wanted when ordering. Price, each... **3c**

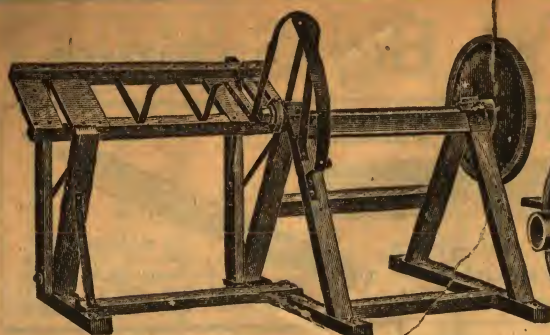


### INTERCHANGEABLE FILE AND TOOL HOLDER

**4-A-2668.** Will hold files and tools square, round or flat shank, smaller than 3/4 inch. Price, each... **17c**







**Tilting Table Wood Saw Frame with Pole Extension**

Perfectly adapted for sawing either long poles or heavy logs, etc. Right hand frame furnished, unless otherwise specified. Mandrel 1 1/2 inch diameter, turned to fit 1 3/4 inch hole in saw. Fitted with 95 lb. balance wheel. Pulley, 5 inch diameter, 6 inch face. Prices, F. O. B. Cars, factory, near Chicago. Weight, 325 lbs. Shipped knocked down.

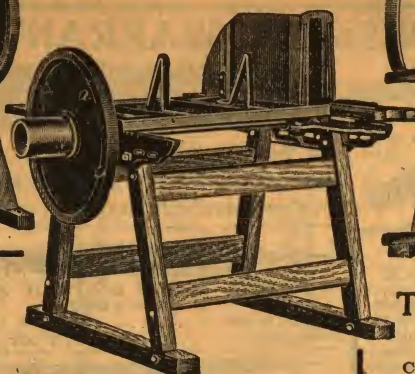
**16-A-490.** Frame complete, no saw. Price.....**\$21.85**

**TILTING TABLE WOOD SAW FRAME**

We furnish the saw frame above without extension tilting table for sawing cordwood and short boards, etc.

**16-A-500.** Frame, complete, no saw. Price.....**\$20.40**

## WOOD SAW FRAMES



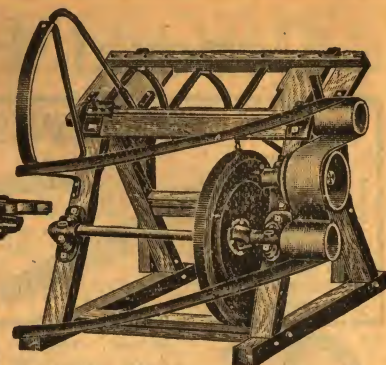
### Sliding Table Frame

Table is mounted on roller bearings which run on the table guides, and is very easy to operate.

The frame is made of hard wood, well braced and bolted. The Mandrel is 1 1/2 inch diameter, turned to fit 1 3/4 inch hole in saw. Fitted with 95 lb. balance wheel. The pulley is 5 inch diameter, 6 inch face. Weight, 300 lbs.

Right hand frame furnished, unless otherwise specified. Prices are F. O. B. factory, near Chicago. Shipped knocked down.

**16-A-504.** Complete, without saw. Price.....**\$28.00**



### Tilting Table Pole Saw Frame

Constructed of fine hardwood. Braced and bolted. Balance wheels on separate shaft, entirely out of the way so that long poles may be sawed. The power is fed direct to saw. Mandrel 1 1/2 inch diameter, turned to fit 1 3/4 inch hole in saw. Pulley 5 inch diameter, 6 inch face. Fitted with 95 lb. balance wheel. Weight, 350 lbs. The prices quoted are F. O. B. factory, near Chicago. Shipped knocked down.

**16-A-511.** Without saw. Price.....**\$25.60**



**4-A-4203**  
Solid Tooth Cut Off Saw

## Premier Circular Saws

Made of highest grade crucible steel, tough and perfectly tempered. Carefully made in one of America's leading factories. Accurately ground and filed by hand. Fully guaranteed.

### Prices of Rip and Cut-Off Saws

Be sure to state diameter, gauge, hole, lot No., whether rip or cut-off saw, whether for left or right hand mill.

Thick- Diam- eter	ness Gauge	Ship- ping Hole	ping Weight	Price	Thick- Diam- eter	ness Gauge	Ship- ping Hole	ping Weight	Price
6	18	3/4	7 oz.	\$ 1.25	34	9	1 1/2	50 lbs.	\$ 15.25
8	18	7/8	1 lb.	1.65	36	9	1 1/2	65 lbs.	17.50
10	16	1	2 1/4 lbs.	2.10	38	9	1 1/2	92 lbs.	26.45
12	15	1	4 lbs.	2.65	40	9	2	102 lbs.	30.35
14	14	1 1/8	6 lbs.	3.20	42	8	2	110 lbs.	34.75
16	14	1 1/8	8 lbs.	3.95	44	8	2	120 lbs.	40.65
18	13	1 1/4	10 lbs.	4.70	46	8	2	130 lbs.	48.00
20	13	1 1/4	12 lbs.	5.65	48	8	2	137 lbs.	54.50
22	12	1 1/2	15 lbs.	6.55	50	7	2	155 lbs.	62.00
24	11	1 1/2	20 lbs.	7.65	52	7	2	168 lbs.	69.50
26	11	1 1/2	24 lbs.	9.00	54	7	2	175 lbs.	76.50
28	10	1 1/2	28 lbs.	10.50	56	7	2	182 lbs.	88.00
30	10	1 1/2	33 lbs.	12.00	58	7	2	190 lbs.	98.00
32	10	1 1/2	35 lbs.	13.50	60	6	2	205 lbs.	109.00



**4-A-4201**  
Solid Tooth Rip Saw

### Cord Wood and Pole Saws

**4-A-4213.** Natural Oil Temper finish. Manufactured by expert mechanics and high grade material. They are ground, hand filed, set and sharpened for the use intended, but are not constructed for high speed works.

Any size saw and mandrel hole on saws furnished direct from factory if specified; otherwise we ship saws with 1 1/2 inch mandrel hole.

Diam. Inches	Gauge, No.	Size hole, Inches	Price
20	13	1 1/2	\$2.10
22	12	1 1/2	2.80
24	11	1 1/2	3.40
26	10	1 1/2	3.85
28	10	1 1/2	4.50
30	10	1 1/2	5.10

### Inserted Tooth Saws

**4-A-4205.** The mandrel holes on the rough plates are 2 inches in diameter, with 2 3/4 inch pin holes spaced 3 inch, center to center. When ordering be sure to state number of teeth wanted, diameter, gauge at center and at rim, horsepower of engine, r. p. m., while cutting, rip or cross-cut, right or left hand mill. No cancellation of order. One full set of extra Teeth, two Shanks and one Wrench furnished with each saw. Can furnish one gauge heavier or lighter, for same price.

Diameter Inches	Gauge	Size of hole, Ins.	No. of Teeth	Price, Each
40	8	2	26	\$ 65.00
42	8	2	28	70.00
44	8	2	30	77.00
46	8	2	32	84.00
48	8	2	34	93.00
50	8	2	36	102.00
52	7	2	38	114.00
54	7	2	40	128.00
56	7	2	42	144.00
58	7	2	44	158.00
60	7	2	46	175.00

Prices of steel bits, extra holders for points and inserted tool wrench on request.



## Mandrels

Our circular saw mandrels are the highest grade and guaranteed to give satisfactory service. Bearings are extra long and made of specially chilled iron and are well babbitted. The shaft is cold rolled steel.

**16-A-530.** Pulley in center.

**16-A-531.** Pulley on right hand side, with left hand thread.

Size	Diam. Pulley	Face of Pulley	Lgth. Shaft	Diam. Shaft	Hole in Saw	Price Each
0	2	3	3 1/2	1 1/8	1 1/4	\$5.15
1	2 1/2	3 1/2	16	1 1/8	1 1/4	6.50
2	3	4	19	1 1/8	1 1/4	7.30
3	3 1/2	4 1/2	21	1 1/8	1 1/4	10.55
4	4	5	24	1 1/8	1 1/4	12.35
5	4 1/2	5 1/2	26	1 1/8	1 1/4	14.60
6	5	6	28	1 1/8	1 1/4	15.40
7	5 1/2	6 1/2	30	1 1/8	1 1/4	16.20
8	6	7	32	1 1/8	1 1/4	17.30
9	7	8	37	1 1/8	1 1/4	20.15
10	8	8	41	1 1/8	1 1/4	23.00
11	9	10	41	2	2	34.55

### Band Saw Blades

**4-A-4427.** Made from special tool steel, they are extra flexible and made to stand hard usage.

Wth. Ins.	No. Gauge	Length, feet	10	12	14	16	18	20
1/4	21 or 22	\$2.20	\$2.64	\$3.08	\$3.52	\$3.96	\$4.40	
3/8	21 or 22	2.50	3.00	3.50	4.00	4.50	5.00	
1/2	21 or 22	2.80	3.36	3.92	4.48	5.04	5.60	
3/4	21 or 22	3.50	4.20	4.90	5.60	6.30	7.00	
1	21 or 22	3.80	4.56	5.32	6.08	6.84	7.60	
1 1/4	20 or 19	4.80	5.76	6.72	7.68	8.64	9.60	



# CROSS CUT SAWS

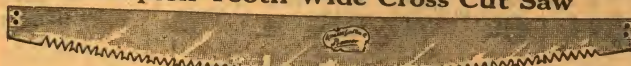
## Perforated Lance Tooth Cross Cut Saw



4-A-4101. A general favorite with the lumbermen. Thin back; ground 4 gauges thinner on back than on cutting edge. An easy and fast cutter. Will not bind in the timber. Each saw most carefully tempered, filed and hand set. Guaranteed fully in every particular. Prices do not include handles.

Length, feet.....	5	5½	6	6½	7
Price.....	\$2.70	\$2.97	\$3.24	\$3.51	\$3.78

## Champion Tooth Wide Cross Cut Saw



4-A-4103. Taper ground, thin back, set and sharpened. A strictly first class saw, fully warranted. Prices do not include handles.

Length, feet.....	5	5½	6	6½	7
Price.....	\$2.25	\$2.48	\$2.70	\$2.93	\$3.15

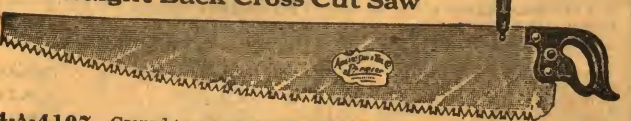
## Champion Tooth Narrow Cross Cut Saw



4-A-4105. Properly tempered, set and sharpened. Each saw fully warranted. Prices do not include handles.

Length, feet.....	5	5½	6	6½	7
Price.....	\$1.35	\$1.48	\$1.62	\$1.77	

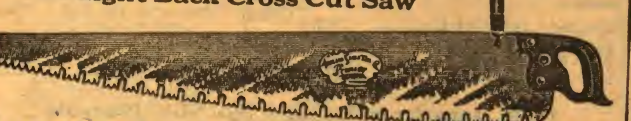
## Champion Tooth One Man Straight Back Cross Cut Saw



4-A-4107. Ground two gauges thinner on back than on cutting edge. Fitted with supplementary handle. You cannot buy a better saw at any price. Guaranteed to give entire satisfaction.

Length, feet.....	3	3½	4	4½	5
Price.....	\$1.70	\$2.00	\$2.27	\$2.55	\$2.85

## American Tooth One Man Straight Back Cross Cut Saw



4-A-4109. Taper ground, thin back. Hand set and filed. A good cutting saw that will give excellent service. Fully warranted.

Length, feet.....	3	3½	4	4½	5
Price.....	\$1.74	\$2.03	\$2.32	\$2.61	\$2.90

## ONE MAN CROSS CUT SAW HANDLES



4-A-4143. Selected beechwood. Varnished Edges. Without screws. Price..... 20c  
4-A-4145. Supplementary handles, with rivet. Each..... 25c

## STEEL ICE TONGS



4-A-4147. Drop Forged Steel. Constructed in a superior manner and will handle 200 pounds..... \$1.20

## WHITING PATTERN SAW SET



4-A-4125. Highest grade steel, properly tempered. Price, each..... 60c

4-A-4151. Reversible Pattern. Per pair..... 35c

4-A-4149. Loop Pattern. For two-man cross-cut saw. Per pair..... 28c

Made of High Grade Special Saw Steel, unequaled in material, workmanship and temper. Premier Cross-Cut Saws are accurately ground, filed and hand set. Each saw is closely inspected and tested at the factory before shipment. They are the fastest cutting and easiest running saws manufactured. All saws are sharpened, ready for use. We guarantee every saw to give perfect satisfaction or money refunded.

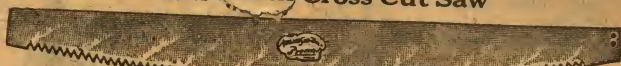
## Diamond Tooth Cross Cut Saw



4-A-4129. Ground to a true taper. 4 gauges thinner on back than on cutting edge. Prices do not include handles. Fully warranted.

Length, feet.....	5	5½	6	6½	7
Price.....	\$2.68	\$2.95	\$3.22	\$3.50	\$3.75

## Plain Tooth Cross Cut Saw



4-A-4131. Taper ground, thin back. Fully warranted. Prices do not include handles.

Length, feet.....	5	5½	6	6½	7
Price.....	\$2.25	\$2.48	\$2.70	\$2.93	\$3.15

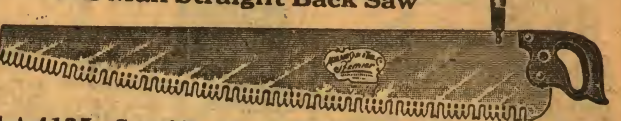
## Champion Tooth Felling Saw



4-A-4133. The best felling saw made. Fully warranted. Prices do not include handles.

Length, feet.....	5	5½	6	6½	7
Price.....	\$2.25	\$2.48	\$2.70	\$2.93	\$3.15

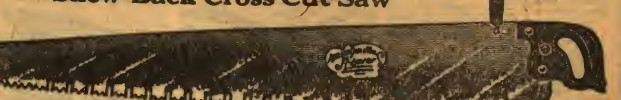
## Perforated Lance Tooth One Man Straight Back Saw



4-A-4135. Ground Four Gauges Thinner on back than on cutting edge. The most popular and fastest cutting saw manufactured. Fully warranted.

Length, feet.....	3	3½	4	4½	5
Price.....	\$1.96	\$2.23	\$2.60	\$2.92	\$3.26

## American Tooth One Man Skew Back Cross Cut Saw



4-A-4137. Taper ground, thin back, properly tempered and hand set and filed.

Length, feet.....	3	3½	4	4½	5
Price.....	\$1.80	\$2.10	\$2.40	\$2.70	\$3.00

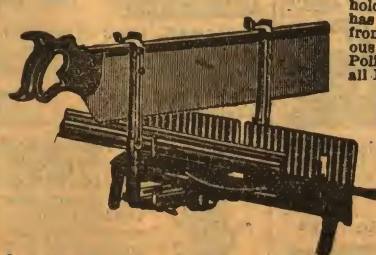
## Buck Saws 95c



4-A-4111. Selected hardwood frame. Painted red. With tinned rod, blued clock spring blade, 2½ inches wide, properly tempered. "V" shaped teeth, set and sharpened, ready for use. Fully warranted. Price..... 95c

4-A-4113. Extra blades. Price, each..... 50c

## Langdon Acme Mitre Boxes



Guides are long: hold the saw steady, has a graded arc in front with the various degrees marked. Polished parts are all Nickel Plated. A high grade guaranteed saw furnished. Size No. 1, capacity at right angles 7½, capacity at the Miters 5 inches. Size No. 2, 2½ capacity, at right angles 10½ inches, at Miters 7 inches.

4-A-4901. Size No. 1 with 24x4 inch saw.....	\$16.70
4-A-4903. Size No. 2 with 26x4 inch saw.....	18.75
4-A-4905. Size No. 2½ with 28x5 saw.....	20.70
4-A-4907. Size No. 2½ with 30x5 saw.....	21.65



## HAND ICE SAW

4-A-4139. For wagon use. Extra crucible steel blade, fitted with iron handles. Each saw is properly tempered and fully guaranteed.

Length, inches.....	24	26	28	30
Price, each.....	\$1.10	\$1.15	\$1.25	\$1.35

## POND ICE SAW

4-A-4141. Superior quality. Made of the best crucible saw steel, properly tempered, tapering, 7 inches at the butt and 5 inches wide at the point. Fully warranted.

Length, feet.....	4	4½	5
Price, complete with tiller handle.....	\$2.25	\$2.60	\$3.00



## ADJUSTABLE BENCH STOP

4-A-4153. Instantly adjustable to any position. Reversible head can be raised 2 inches above bench. Price..... 65c



## ADJUSTABLE BENCH STOP

4-A-4127. Reversible screw adjustment. Cast steel head. May be raised by means of adjusting screw. Price..... 63c



# High Grade Hand Saws!



**Nail Cutting Saw**  
4-A-4835. Will cut nails, pipes, bolts, soft sheet metal. Can be filed but does not require setting, being taper concave ground. Length of blade, 18 inches. Price.....\$2.45



## Jennings Saw Kit



4-A-4837. Consists of one 14-inch nail cutting, one 14-inch compass blade, one 12-inch keyhole blade. Adjustable handle. Blades interchangeable. Price.....\$2.22

## Best Compass Saw



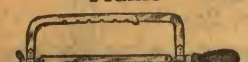
4-A-4815. Thin back evenly tempered. Full bevel, filed and set. Beechwood handle, two screws. Length, inches.....12 14 16 Price.....37c 39c 42c

## Rigid Hack Saw Frame



4-A-4953. Heavy steel nickel plated frame, adjustable to take blade from 6 to 10-inch blade. Price, with one \$1.75

## Nickel Plated Hack Saw Frame



4-A-4935. Adjustable for blade at four angles, takes blades 8 to 12 inches. Price, each, complete with one 8-inch blade.....39c

## Hack Saw Blades



Fast cutting Hack Saw Blade, made of special high carbon steel, properly tempered and are guaranteed to give first-class satisfaction. Suitable for cutting tool steel and other metals. 4-A-4937. Length, ins.....8 9 10 12 Price, per dozen.....40c 45c 49c 60c



## Morrell's Saw Set

4-A-4919. Morrell's saw set for handle buck board and jig saw has hardened steel anvil plunger. Price.....60c

## Improved Anvil Saw Set

4-A-4921. The anvil and spring are hardened. The plunger is of tempered steel, polished, nickel-plated finish, weight, 10 ounces. Price, each.....85c

## Revolving Saw Set

4-A-4923. Shows the required bevel and length of all saws ranging from 4 to 16 teeth to the inch. Figure on dial indicates number of teeth to the inch and always in sight. Price, \$1.17

## Seavey Miter Box and Saw Guide



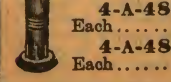
4-A-4911. Adjustable to cut square or at an angle of 22½, 30 and 45 degrees. Panel or hand saw may be used with this guide. Price, without saw.....\$2.25

## Saw Filing Guide and Vise



4-A-4949. The ball and socket, which connect the clamp to the vise permits the clamp to be turned in either direction. Jaws are 10¼ inches rubber faced, which holds the saw firmly. Price.....\$2.90

## Brass Saw Handle Screws



4-A-4841. Each.....5c  
4-A-4843. Each.....7½c

## Nest of Saws



4-A-4839. Consisting of one 14-inch panel saw, one 14-inch compass saw, one 12-inch keyhole saw. All interchangeable. Price.....\$1.50

## Common Compass Saw



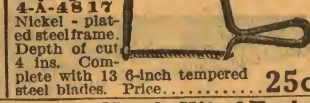
4-A-4813. Made of good grade cast steel. Spring tempered, filed and set. Beechwood handles. Length, inches.....12 14 23c 25c

## Miter Box Saws



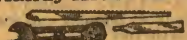
4-A-4913. Made from high grade tool steel, hand filed, set ready for use, heavy back. Width of blade under back, 4 inches. Length, inches.....22 24 28 Price, each.....\$2.85 \$3.05 \$3.45

## Steel Frame Coping Saw



4-A-4817. Nickel-plated steel frame. Depth of cut 4 ins. Complete with 13 6-inch tempered steel blades. Price.....25c

## Handy Kit of Tools



4-A-4931. Consisting of keyhole saw and pad, chisel, screw driver, two wrenches, awl, bit handle. Price.....9c

The blades are of special refined spring steel, perfectly tempered, full taper ground, thin back. The teeth are full beveled, hand filed and hand set and will hold a fast cutting edge. The handles are correct in shape, giving the proper hang. 26 and 28 inch saws have five brass screws and the smaller sizes have four.

Length	Points to the inch	Each
18 in. panel.	9, 10, 11 or 12.....	\$2.00
20 in. panel.	9, 10, 11 or 12.....	2.10
22 in. panel.	9, 10, 11 or 12.....	2.20
24 in. hand.	8, 9, 10 or 11.....	2.30
26 in. hand.	7, 8, 9, 10 or 11.....	2.45
28 in. hand.	6, 7 or 8.....	2.75

Length	Points to the inch	Each
24 in.	5, 5½, 6 or 6½.....	\$2.30
26 in.	5, 5½ or 6.....	2.45
28 in.	4, 4½, 5, 5½ or 6.....	2.75

## Premier Hand Saws

Premier Saws are hand made, hand smithed, hand blocked, hand filed and hand set. Every detail in the manufacture is perfect.

Length	Points to the inch	Each
18 in. panel.	9, 10, 11 or 12.....	\$2.00
20 in. panel.	9, 10, 11 or 12.....	2.10
22 in. panel.	9, 10, 11 or 12.....	2.20
24 in. hand.	8, 9, 10 or 11.....	2.30
26 in. hand.	7, 8, 9, 10 or 11.....	2.45
28 in. hand.	6, 7 or 8.....	2.75

Length	Points to the inch	Each
24 in.	5, 5½, 6 or 6½.....	\$2.30
26 in.	5, 5½ or 6.....	2.45
28 in.	4, 4½, 5, 5½ or 6.....	2.75
30 in.	4½ or 5.....	3.00

## "Chicago Special" Hand Saws

The best general purpose saw ever offered. Made of high grade crucible saw steel, smithed and blocked by hand. Full taper ground, thin back. Teeth are full beveled, hand filed and hand set.

Length	Points to the inch	Each
18 in. panel.	9, 10, 11 or 12.....	\$1.80
20 in. panel.	9, 10, 11 or 12.....	1.90
22 in. panel.	9, 10, 11 or 12.....	2.00
24 in. hand.	8, 9, 10 or 11.....	2.10
26 in. hand.	7, 8, 9, 10 or 11.....	2.15
28 in. hand.	6, 7 or 8.....	2.40

Length	Points to the inch	Each
24 in.	5, 5½, 6 or 6½.....	\$2.10
26 in.	5, 5½ or 6.....	2.15
28 in.	4, 4½, 5, 5½ or 6.....	2.40

## Favorite Hand Saws

Made of good grade saw steel, set sharpened and ready for use. Hardwood handle, brass screws.

Length	Points to the inch	Each
22 in. panel.	10 or 12.....	\$1.20
24 in. hand.	8, 9 or 10.....	1.30
26 in. hand.	8, 9 or 10.....	1.40

Length	Points to the inch	Each
26 in.	5½ or 6.....	\$1.40
28 in.	5, 5½ or 6.....	1.60

## C. E. Jennings & Co.'s No. 70½ Narrow Blade Hand Saws

Ground thin on back and guaranteed to run without set.

Length	Points to the inch	Each
22 in. panel.	10, 11 or 12.....	\$3.35
24 in. hand.	8, 9 or 10.....	3.45
26 in. hand.	7, 8, 9 or 10.....	3.75

Length	Points to the inch	Each
26 in.	5 or 6.....	\$3.75
28 in.	4½, 5 or 5½.....	4.00

## Genuine Henry Disston Hand Saws

Disston "D" 8 hand hammered Saws. The best known popular brand saw on the market. Spring steel patent ground and tempered. Skew back, applewood handle.

4-A-4831. 26 in. Hand saw 8, 9 or 10 points. Price.....\$5.70

4-A-4833. 28 in. Rip Saw 5 or 5½ points. Price.....\$6.00



## Cross Cut Saw Tool

4-A-4945. Cross cut saw filer jointer tooth gauge cutting block, a tool that keeps cross cut saws in perfect condition. Price, with file and directions.....35c

## Saw Jointer and Skate Sharpener



4-A-4917. Adjustable to any thickness, saw blade can be used with any file. Price, each.....45c

## Ball and Socket Saw Vise



4-A-4941. The reliable ball and socket saw vise is adjustable with bench clamp and can be set at any angle. Length of jaws, 9¼ inches. Japanned finish. Weight, 9 pounds. Price, each.....\$1.59



## Adjustable Saw Vise

4-A-4925. For attachment to work bench this vise has a malleable iron screw clamp and lever and can hold it in position. Width of jaws, 9¼ inches. Japanned finish. Weight, 4½ lbs. Price.....\$1.00

## Adjustable Saw Filing Guide



4-A-4947. Used for filing saws with any style bench vise, can always be used in connection with the regular saw vise, adjustable to file at any angle any bevel and exact depth. Japanese finish. Price, complete, with file.....\$1.60

## Perfection Pattern Miter Box



A strong, serviceable, miter box. Saw guide can instantly be set at angle 22½, 30 and 45 degrees. Back saw, panel or hand saw can be used. Weight, 9 lbs. Price.....\$2.95

## Beechwood Saw Handles

4-A-4819. For hand and rip saws. Price, each.....20c  
4-A-4821. For panel saws. Each.....17c



# Dependable Tools

Strictly first quality, guaranteed to be perfect in material, workmanship and finish, and to give absolute satisfaction. Especially adapted for mechanics' use; forged from high grade steel, carefully tempered. Handles are selected white hickory, properly balanced and shaped.



**4-A-5003. Premier claw Hatchet.**

Size	Wth of Bit, In.	Wt. Oz.	Price
1	3 1/4	19	\$1.28
2	3 3/4	25	1.34
3	4 1/4	31	1.40



**4-A-5001. Premier Shingling Hatchets.**

Size	1	2	3
Width of Bit, Inch.	3 1/4	3 3/4	4 1/4
Wt., Oz.	17	23	29
Price	1.25	1.30	1.37



**4-A-5007. Premier High Grade Lathing Hatchets.**

No. In. wt. oz.	Size 12 1/4	14 1/2	15
Price	22 1/4	17	1.30



**4-A-5011. Premier Special Bell Poll Shingling Hatchet.**

Size	..... 1
Width of Bit, 3 in.	
Weight, not including handle, 15 oz.	
Price	..... \$1.60



**4-A-5029. Premier Special Underhill Pattern Lathing Hatchet.**

Forged from extra tool steel, properly tempered, full polished.	
Width of bit, 2 in.	
Weight, not including handle, 15 oz.	
Price	..... \$1.95



**4-A-5013. Premier Bell Poll Hatchet.**

Size	..... 2
Wd. of Bit, 2 1/2 in.	
Weight, not including handle, 15 oz.	
Price	..... \$1.50



**4-A-5009. Premier Broad Hatchet.**

No. In. wt. Price	
2 4 1/4 1 1/2	\$1.60
3 5 2 1/4	1.80
4 5 3/4 2 1/2	1.95
5 6 3	2.15



## Broadaxes

**4-A-5127. Round corner Canada pattern Broadaxes.** Made of high grade steel, properly proportioned. Ready for use. Handles not included.

Wt., lbs.	6	7	7 1/2	8
Wt., cut.	10 1/4	11 1/4	12	12 1/4
Each	6.36	6.66	6.90	7.02

## Carpenters' Adzes

**4-A-5025. Forged from high grade steel. Has fine cutting edge, properly tempered. Handles not included.**

Weight	Width Cut
Lbs. .... 3 1/4	3 1/4
In. .... 3 1/4	4
Price	\$1.80



## Truckers' Pattern Wood-choppers' Wedge

**4-A-5131. Made with a screw, which prevents handle from pulling out.**

Wt. Lbs.	4	40c	57c	76c
Price	.....	3c		



## Woodchoppers' Wedges

**4-A-5129. Regular pattern made from high grade steel, oil finished.**

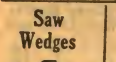
Wt., lbs.	4	5
Price	.....	35c 43c



## Malleable Iron Axe Wedge

**4-A-5121. Made with a screw, which prevents handle from pulling out.**

Price, each	.....	3c
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## Saw Wedges

**4-A-5133. Tool steel, oil finished. Wt., lbs. 1 1/2. Price, .....**

Price	.....	1.10
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## Adjustable Plane Gauge

**4-A-5279. For Planing Bevels of any angle or square joints, without use of a tri-square or bevel. Can be quickly attached or removed.**

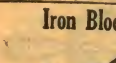
Price	.....	\$1.10
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## Oregon Pattern Mauls

**4-A-5135. Wt. Lbs. Price**

5	77c
6	92c
7	\$1.07
8	1.23



## Iron Block Planes

**4-A-5273. Double End Iron Block Plane. With two slots and two seats for cutter. Length, 8 inches. 1 1/2 inch cutter. Price, .....**

Price	.....	\$1.20
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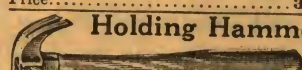
**4-A-5313. Selected beechwood Fore Plane Handles.**

Price, each	.....	12c
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## Cast Steel

**4-A-5019. Strictly first class steel hammer. Will give good service. Nicely finished and fitted with selected hardwood handle. Weight, 16 oz. Price, .....**



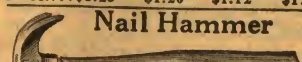
## Holding Hammer

**4-A-5035. With groove on side to hold nails size 10 penny and smaller. Made of the highest crucible steel and properly tempered. Second growth hickory handles properly fitted and wedged to head. Fully guaranteed. Weight 19 ounces, not including handles. Price, .....**



## Bell Face

**4-A-5037. Made of high grade crucible steel, properly tempered, with second growth hickory handle, properly fitted and wedged to head. Every hammer fully guaranteed. Weight, 20 oz. 16 oz. 13 oz. 7 oz. Price, .....**



## Nail Hammer

**4-A-5033. Forged from extra tool steel, carefully tempered. Octagon poll, full nickel plated finish. Carefully selected handles. Size, .....**

Size	..... 1 1/4
Wt., not including handle, lbs.	1 1/4
Price	..... \$1.80 \$1.73

## Ever Ready Handled Axes



**4-A-5115. Ever Ready axes are carefully forged, properly shaped and finished in a superior manner. Handles are hickory stained, properly fitted to axe. A better axe at a lower price than ever before offered. Each and every axe guaranteed. Weight, 3 lbs. 3 1/4 lbs. 4 lbs. 4 1/4 lbs. Price, .....**

## Single Bit Axes

## Double Bit Axes



**4-A-5111. The best axe offered for all ordinary purposes. Forged from good grade of steel. Michigan pattern.**



**4-A-5117. Strictly hand forged and properly proportioned. Bits are double refined crucible steel. Natural forge temper finish. Michigan pattern.**

Weight	Price
3 lbs.	..... \$1.68
3 1/4 lbs.	..... 1.74
4 lbs.	..... 1.80
4 1/4 lbs.	..... 1.86
5 lbs.	..... 1.92

Weight	Price
3 lbs.	..... \$2.34
4 lbs.	..... 2.40
4 1/4 lbs.	..... 2.46
5 lbs.	..... 2.52



## 4-A-5265. Iron Block Plane.

Double End Iron Block Plane. With two slots and two seats for cutter. Length, 8 inches. 1 1/2 inch cutter. Price, .....

Price	.....	60c
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## 4-A-5267. Iron Block Plane.

7 inches long, 1 1/2 inch cutter. Price, .....

Price	.....	84c
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## Jack Plane

The castings are made of special gray iron. The bottoms of the planes are as smooth. The cutters are made of the highest grade steel. Fitted with an adjusting lever. Handles and knobs are genuine mahogany. Smooth bottom iron jack plane 14 inches long, 2-inch cutter. Price, .....

4-A-5260. Corrugated bottom.	.....	\$3.00
4-A-5262. Corrugated bottom.	.....	\$3.10



## Iron Block Planes

**4-A-5311. Selected beechwood jack plane handles. Price, each, .....**

Price, each	.....	9c
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**4-A-5291. Adjustable iron smooth plane, 9 inches long, 2-inch cutter. Price, .....**

Price	.....	\$2.50
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## 4-A-5277. Knuckle Joint Improved Throat Adjustment.

6 1/4 inches long, 1 1/2 inch cutter. Price, .....

Price	.....	\$1.85
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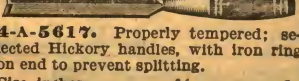


## 4-A-5271. Adjustable Block Plane.

7 inches long, 1 1/2 inch cutter. Price, .....

Price	.....	\$1.25
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## SOCKET CORNER CHISEL



**4-A-5617. Properly tempered; selected Hickory handles, with iron ring on end to prevent splitting. Size, inches, .....**

Size, inches	..... 3/4
Price, each	..... 80c

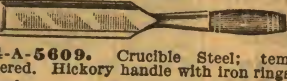
## PLAIN EDGE CHISEL



**4-A-5607. Made of special high grade steel; carefully tempered. Handles White Hickory, leather tips. Size, inches, .....**

Size, inches	..... 3/4
Price, each	..... 40c
Size, inches	..... 1 1/4
Price, each	..... 51c
Size, inches	..... 1 3/4
Price, each	..... 52c
Size, inches	..... 2
Price, each	..... 56c
Size, inches	..... 2 1/4
Price, each	..... 59c
Size, inches	..... 2 3/4
Price, each	..... 75c
Size, inches	..... 3
Price, each	..... 80c

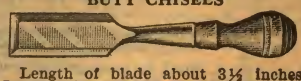
## BEVELED EDGE SOCKET FRAMING CHISEL



**4-A-5609. Crucible Steel; tempered. Hickory handle with iron rings. Inch, .....**

Inch	..... 3/4
Price	..... 60c
Inch	..... 1
Price	..... 62c
Inch	..... 1 1/4
Price	..... 65c
Inch	..... 1 3/4
Price	..... 72c
Inch	..... 2
Price	..... 79c
Inch	..... 2 1/4
Price	..... 90c
Inch	..... 2 3/4
Price	..... \$1.07
Inch	..... 3
Price	..... \$1.15

## HIGH GRADE SOCKET BUTT CHISELS



Length of blade about 3 1/4 inches. Leather tip; solid Hickory handle. Length, in. 1 1/4 1 1/2 1 3/4 2

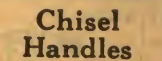
4-A-5655. Price, each	55c	58c	60c	75c	80c
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## COACH MAKERS' KNIVES

**4-A-5635. Narrow blade, made from crucible steel. Tangs will not pull out.**

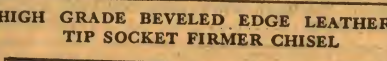
Size, Inches	Price, Each
8	\$1.40
10	1.65
12	1.90



## Chisel Handles

**4-A-5643. Selected hickory, with iron rings on end to prevent splitting. Price, each, .....**

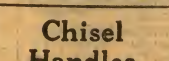
Price, each	.....	10c
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## HIGH GRADE BEVELED EDGE LEATHER TIP SOCKET FIRMER CHISEL

**4-A-5601. Made of the best steel. Handles are of select White Hickory, leather tip. Size, inches, .....**

Size, inches	..... 3/4
Price, Each	..... 45c
Size, inches	..... 1
Price, Each	..... 46c
Size, inches	..... 1 1/4
Price, Each	..... 47c
Size, inches	..... 1 3/4
Price, Each	..... 48c
Size, inches	..... 2
Price, Each	..... 50c
Size, inches	..... 2 1/4
Price, Each	..... 51c
Size, inches	..... 2 3/4
Price, Each	..... 52c
Size, inches	..... 3
Price, Each	..... 53c
Size, inches	..... 3 1/4
Price, Each	..... 54c
Size, inches	..... 3 1/2
Price, Each	..... 55c
Size, inches	..... 3 3/4
Price, Each	..... 56c
Size, inches	..... 4
Price, Each	..... 57c
Size, inches	..... 4 1/4
Price, Each	..... 58c
Size, inches	..... 4 1/2
Price, Each	..... 59c
Size, inches	..... 4 3/4
Price, Each	..... 60c
Size, inches	..... 5
Price, Each	..... 61c
Size, inches	..... 5 1/4
Price, Each	..... 62c
Size, inches	..... 5 1/2
Price, Each	..... 63c
Size, inches	..... 5 3/4
Price, Each	..... 64c
Size, inches	..... 6
Price, Each	..... 65c
Size, inches	..... 6 1/4
Price, Each	..... 66c
Size, inches	..... 6 1/2
Price, Each	..... 67c
Size, inches	..... 6 3/4
Price, Each	..... 68c
Size, inches	..... 7
Price, Each	..... 69c
Size, inches	..... 7 1/4
Price, Each	..... 70c
Size, inches	..... 7 1/2
Price, Each	..... 71c
Size, inches	..... 7 3/4
Price, Each	..... 72c
Size, inches	..... 8
Price, Each	..... 73c
Size, inches	..... 8 1/4
Price, Each	..... 74c
Size, inches	..... 8 1/2
Price, Each	..... 75c
Size, inches	..... 8 3/4
Price, Each	..... 76c
Size, inches	..... 9
Price, Each	..... 77c
Size, inches	..... 9 1/4
Price, Each	..... 78c
Size, inches	..... 9 1/2
Price, Each	..... 79c
Size, inches	..... 9 3/4
Price, Each	..... 80c



## Chisel Handles

**4-A-5625. Selected hickory, 3 layers, best oak tan leather. Price, each, .....**

Price, each	.....	12c
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## DRAWING KNIVES

**4-A-5651. Made from a high grade crucible steel, properly ground and tempered. Tangs will not pull out. Length, in. 8 10 12**

Price, each	\$1.15	\$1.30	\$1.50
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**BALL BEARING RATCHET BIT BRACE**  
**4-A-5331.** Best ratchet brace. It has solid steel chucks. Hardened jaws will hold any size shank, 1/2 - inch steelsweep nickel-plated ball bearing head, polished cocobola head and handle, steel enclosed frame.



**4-A-5323.** Satisfactory brace. 1/4 inch cold drawn steel sweep, natural finish. Nicely polished head and handle.

Sweep	Price
8 inches.....	75c
10 inches.....	80c

Sweep, in inches.	8	10
Price.....	\$4.00	\$4.10
Sweep, in inches.	12	14
Price.....	\$4.20	\$4.30

**SHIP AUGER BITS**  
**4-A-5449.** For boring hardwoods and end boring. Made of double refined steel, finely finished. Have 4 to 6 inch twists.

Size, inches.....	3/4	1	1 1/4	1 1/2
Price, each.....	30c	36c	45c	
Size, inches.....	1 3/4	2	2 1/4	2 1/2
Price, each.....	48c	50c	55c	57c

**CAR BITS**  
**4-A-5451.** For boring heavy timbers. Length of twist, 12 inches.

Size, inches.....	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2
Price, each.....	31c	33c	35c	37c	39c	
Size, inches.....	2 3/4	3	3 1/4	3 1/2	3 3/4	4
Price, each.....	43c	55c	60c	65c	70c	75c

**COUNTERSHANK GAUGE BIT**  
**4-A-5533** To regulate depth of cut. For wood, only. High grade tool steel. Fully warranted.



Price..... **32c**

**GOODSELLS RATCHET SCREW DRIVER**  
**4-A-5557** Blades, dogs and spring. Made of a high grade tool steel. The ratchet teeth are deeply cut. Changes from right to left are made by simply turning the knurled ferrule. Length, blade, inches..... 4 5 6 8 10

Price, each.....	92c	97c	\$1.00	\$1.10	\$1.25
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**PRATT'S RATCHET DRILL**  
**4-A-5341** Used as an auger handle in horizontal position. For use in close places. One handle can be removed and placed at right angles. Can also be used as a ratchet drill. Price, each..... **\$1.85**



**INDESTRUCTIBLE SQUARE SHANK SCREW DRIVER**  
**4-A-5543** Squareshank for use with wrench. Blade, shank and head are forged from a solid piece of high grade tool steel. Handles hardwood.

Length of blade, inches.....	3	4	6	8	10
Size, sq. shank, inches.....	1/2	3/4	5/8	1 1/2	1 3/4
Price, each.....	21c	27c	37c	49c	61c

**SQUARE REAMER BITS**  
**4-A-5537.** Cast steel, properly tempered and ground. Price..... **22c**



**GOODSELLS AUTOMATIC INTERCHANGEABLE SCREW DRIVER**  
**4-A-5549.** Can be used as a spiral ratchet or plain screwdriver. Furnished with three forged steel bits. Hardwood handle. Length extended 14 inches. Length, closed 7 1/2 inches. Price..... **\$1.60**



**GOODSELLS REVERSIBLE INTERCHANGEABLE SCREW DRIVER**  
**4-A-5551** With two distinct spirals. Hardwood handle, furnished with three forged steel bits; length extended, 16 1/4 inches; length closed, 9 inches. Price..... **\$2.50**



**Jennings' Extension Lip Bits**  
**4-A-5433.** Jennings' Solid Center Extension Lip Auger Bits. Solid Center Auger Bits. Hand forged from double refined crucible steel, full length of twist.

Size, inches.....	3/4	1	1 1/4	1 1/2	1 3/4	2
Price, each.....	47c	49c	50c	52c	55c	57c
Size, inches.....	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2
Price, each.....	60c	67c	70c	78c	80c	89c
Size, inches.....	3 3/4	4	4 1/4	4 1/2	4 3/4	5
Price, each.....	60c	67c	70c	78c	80c	89c

**4-A-5425.** Best Jennings' Pattern Extension Lip Auger Bit. Properly tempered, full length of twist. Lips are carefully forged and sharpened.

Size, inches.....	3/4	1	1 1/4	1 1/2	1 3/4	2
Price, each.....	39c	40c	41c	42c	45c	47c
Size, inches.....	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2
Price, each.....	55c	57c	64c	65c	72c	75c

**4-A-5441.** For rapid and easy boring in the toughest hardwoods. Tempered and finished in the finest manner.

Size, inches.....	3/4	1	1 1/4	1 1/2	1 3/4	2
Price, each.....	49c	51c	52c	54c	56c	59c
Size, inches.....	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2
Price, each.....	62c	69c	72c	80c	82c	91c
Size, inches.....	3 3/4	4	4 1/4	4 1/2	4 3/4	5
Price, each.....	62c	69c	72c	80c	82c	91c

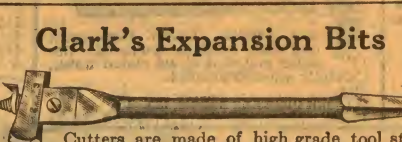
**Ratchet Brace** **\$375**



**4-A-5337** Ball bearing dust-proof head. Machine made thruout. Cold drawn steel sweep. All metal parts highly polished and heavily nickel plated and nicely finished throughout. Cocobola head and handle with improved metal capped head. Forged alligator spring jaws. Will take square or round shank drills.

Sweep, inches.....	8	10	12
Price.....	\$3.75	\$3.80	\$3.95

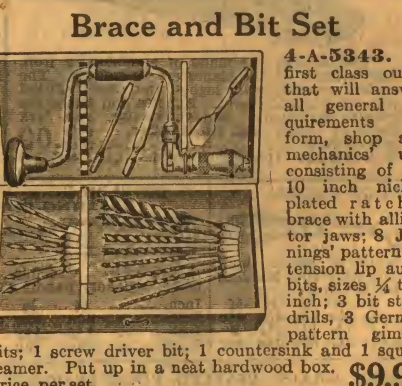
**Clark's Expansion Bits**  
 Cutters are made of high grade tool steel properly tempered.



**4-A-5509.** Small size Clark's Pattern Expansion Bit. With two cutters, one boring from 1/2 to 1 1/2 in., the other from 1 1/2 to 1 3/4 in. Price..... **\$1.35**

**4-A-5511.** Large size Clark's Pattern Expansion Bit. With two cutters, one boring from 1 1/2 to 1 3/4 in., the other from 1 3/4 to 3 ins. Price..... **\$1.95**

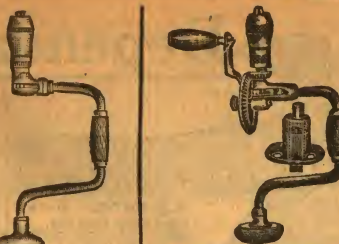
**Brace and Bit Set**  
**4-A-5343.** A first class outfit that will answer all general requirements for form, shop and mechanics' use, consisting of one 10 inch nickel-plated ratchet brace with alligator jaws; 8 Jennings' pattern extension lip auger bits, sizes 1/4 to 1 inch; 3 bit stock drills; 3 German pattern gimlet bits; 1 screw driver bit; 1 countersink and 1 square reamer. Put up in a neat hardwood box. Price, per set..... **\$9.95**



**Champion Screw Driver**  
**4-A-5545.** Blades are forged from the highest grade steel, properly tempered and fastened securely in handle. Selected hardwood handle, cherry finish. Length of blade, inches..... 3 4 5 6 8 10

Price, each.....	27c	28c	30c	35c	45c	56c
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**RATCHET BRACE AND DRILL**  
**4-A-5315.** Ball bearing head and forged steel jaws. Will hold straight, round shank drills. By removing the hand drill attachment you have a fine ball bearing ratchet brace, 10 in. sweep. Nickel plated. Price..... **\$5.95**



**COMMON AUGER BITS**  
**4-A-5401.** Spur Standard.

Size, inches.....	3/4	1	1 1/4	1 1/2	1 3/4	2
Price, each.....	27c	28c	29c	30c		
Size, inches.....	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2
Price, each.....	31c	36c	37c	38c		
Size, inches.....	3 3/4	4	4 1/4	4 1/2	4 3/4	5
Price, each.....	40c	44c	45c	50c	50c	53c

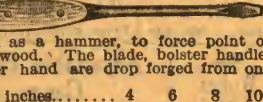
**COUNTERSHANK & DOWEL POINTER**  
**4-A-5523** Reversible head. Can be used for sharpening pins or dowels. Cutter made of high grade tool steel. Price, each..... **15c**



**4-A-5541** The only screwdriver that can be used as a hammer, to force point of screw into the wood. The blade, bolster handle, flattened hammer head are drop forged from one piece of steel.

Length of blade, inches.....	4	6	8	10
Price, each.....	29c	40c	54c	68c

**Hand Drill**  
**4-A-5457.** Strong Malleable frame. Steel spindle, cut gears and hollow cut cocobola handle containing 8 drill points, 1/4 to 1 1/4 inch. A strong, durable tool, nicely finished. Length, 10 1/2 inches. Price, including 8 drill bits..... **\$2 65**



**Breast Drill**  
**4-A-5333.** Ball bearing with level attachment. 6 inch drive wheel. Drills from 1/4 to 1 1/2 inch. Price..... **\$5.75**



**Ball Bearing Breast Drill**  
**4-A-5317.** Malleable frame changeable gear from even to speeded about 3 to 1 with level attachments. Drill bits up to 3 inches. Price..... **\$4.50**



**Plane Irons**  
 Made of high grade steel. All double irons have steel caps.  
**4-A-5301.** All iron and wood bottom planes. Single Irons.

Width, in inches.....	2	2 1/4	2 1/2	2 3/4
Price.....	25c	27c	32c	35c

**SCREW DRIVER BITS**  
**4-A-5525.** High grade tempered crucible steel.

Size.....	Sm.	Med.	Lge.	Ex.
Price.....	17c	18c	19c	20c

**GERMAN GIMLET BITS**  
**4-A-5559.** Special high grade steel, properly tempered. Size, 2-32; 3-32; 4-32; 5-32; 6-32; 7-32; 8-32; 10-32; State size. Any size, each. **14c**



**CHAMPION SCREW DRIVER**  
**4-A-5547.** High grade crucible steel. Selected hardwood handles, steel ferrules.

Length blade, inches.....	10	12
Price, each.....	20c	49c



## Carpenters' Squares

**4-A-5703.** No. 100C. Copper finished steel square heavily copper plated, practically rust-proof; hardened steel corners, figures and graduations are white enamel and stand out clear and distinct. Size of body, 24x2 inches, size of tongue, 16x1 1/4 inches, face marked 1-16, 1/4 and 1/2 inch spaces back marked 1-100, 1-32, 1-2, 1-10 and 1-4 inch spaces. Has Essex board measure, eight square and brace measure, fully warranted. Price.....\$2.10

### Nicholls Take-Down Square

Nicholls take-down square. What every mechanic has long desired. Occupies space 4x24 inches and is absolutely accurate and thoroughly practical. Tongue and groove is accurately milled to fit tight and make a perfectly true joint. Has no bolts or screws to become loose or lost. The spring takes up any wear. Long bearings in grooves combined with the square shoulders insure an accurate fit. Size of body, 24x2 inches. Size of tongue, 16x1 1/4 inches. Face marked 1-16 and 1-4 inch spaces; back marked 1-12 and 1-4 inch spaces. Has Essex board measure and brace measure. Figures and graduations are deep and plainly marked. Fully warranted.

**4-A-5725.** Blued finish with canvas case. Price.....\$3.00

**4-A-5727.** Polished finish with canvas case. Price.....\$2.70

## METAL TRY SQUARES

**4-A-5743.** A first class tool at a moderate price. Steel blade, graduations accurately marked. Nickel-plated iron handles, fully warranted. Size represents length of blade. Size, inches.....6 8 10 12 Price, each.....50c 56c 75c 90c

### COMBINED TRY AND MITER SQUARE

**4-A-5741.** Brass lined Rosewood handle, steel blade. Graduations plainly and accurately marked. Size represents length of blade. Size, inches.....4 6 8 9 Price, each.....32c 52c 69c 75c

### PLUMB AND LEVEL

**4-A-5715.** Brass arch top plate, two side views, proved glasses. Fully warranted. Lengths, 26, 28 and 30 inches. State length wanted. Price.....95c

### LEVEL SIGHTS

**4-A-5757.** Can be readily attached to any wood level. With which the user has accurate means of leveling from one given point to another at a long distance. Price, per pair.....85c

**4-A-5758.** Level sights for iron levels. Price, per pair.....75c

## SLIDING "T" BEVELS

**4-A-5745.** Brass tipped, solid rosewood handle. For right or left hand use.

Length, inches.....6 8 10 12 Price, each.....30c 45c 48c 51c



### POCKET LEVEL

**4-A-5737.** Can be readily attached to steel square or straight edge. Iron body, brass top plate, proved glasses. Warranted true. Price.....15c

### EXTENSION SIGHT AND PLUMB LEVEL

**4-A-5731.** When not in use the sights are depressed flush with the surface of the level and raised into position by merely pressing the button. Heavy brass ends. Length, 28 inches. Price.....\$3.10

**4-A-5735.** Will not stretch. Hard leather case, securely stitched. Handle folds flush with case. Marked in feet, inches and 8ths of inches. Length, feet.....50 100 Price, each.....\$6.00 \$8.50

### STEEL MEASURING TAPE

**4-A-5835.** Will not stretch. Hard leather case, securely stitched. Handle folds flush with case. Marked in feet, inches and 8ths of inches. Length, feet.....50 100 Price, each.....\$6.00 \$8.50



## Oxidized Copper Finish Squares

**4-A-5701.** No. 100 R. O. G. Oxidized copper finished square. The graduations and figures are white enamel. Rust-resisting finish. Has hardened corners. Body, 24x2 inches, size of tongue, 16x1 1/4 inches. 1-16 1-8 and 1-4 spaces, on back, 1-32, 1-12 and 1-10 spaces. Has brace measure, eight square, 1-100 scale and rafter table. Price.....\$2.75

**4-A-5815.** Arched joints, middle plates. Spaced 8ths and 16ths.....50c

**3 Foot 4 Folds**  
**Zig Zag Folding Rules**  
**4-A-5821.** Spring joints, yellow finish, metal tips. Length, feet.....3 4 5 6 Price.....20c 27c 33c 55c

## Double-End Wrenches

**4-A-6815**

Size No.	Size bolts of U. S. Stand. Nut	Extreme Length	Price, Each
23	3/8 to 1/2	4 1/2	\$0.13
25	1/2 to 5/8	5 1/2	.16
26	5/8 to 3/4	6 1/2	.20
27	3/4 to 7/8	7 1/2	.21
29	7/8 to 1	8 1/2	.24
30	1 to 1 1/8	9 1/2	.28
31	1 1/8 to 1 1/4	10 1/2	.29
34	1 1/4 to 1 3/8	12 1/2	.42
37	1 3/8 to 1 1/2	13 1/2	.52
38	1 1/2 to 1 5/8	14 1/2	.95
39	1 5/8 to 1 3/4	15 1/2	.97
40	1 3/4 to 2	16 1/2	1.32
41	2 to 2 1/8	17 1/2	1.32

## "S" Wrenches

**4-A-6819.** Price, per set of five wrenches.....\$1.50

## TUBULAR RIVETS

**4-A-6151.** Put up in one size only, 100 in a package. Price, per box:  
1/2 inch.....20c  
3/4 inch.....23c  
1 inch.....25c  
1 1/4 inch.....27c  
1 1/2 inch.....29c  
1/2 inch.....31c  
3/4 inch.....33c  
1 inch.....35c  
1 1/4 inch.....39c  
1 1/2 inch.....39c

## SIX-INCH TWO-FOLD CALIPER RULE

**4-A-5819.** Square joint. Spaced 8ths, 10ths, 12ths and 16ths. Width, 1/2 inch. Price.....29c

## Goodell's Hand Drill

**4-A-5853.** Handle and Chuck Knurled. Nickel plated. Drill points in separate hollow handle. Drill points cannot be pulled out. Price, includes 8 drill points. 1-16 to 1-64 inch. Length, 1-16 to 1-10 spaces. Price.....\$1.95

## Eccentric Clamps

**4-A-5859.** Heavy steel bar. Length, 12 18 24 30 36 48 Price \$1.26 \$1.47 \$1.68 \$1.89 \$2.10 \$2.52

## Two-Foot Four-Fold Boxwood Rules

**4-A-5801.** Round Joint and Middle Plates. Spaced 8ths and 16ths. Price.....18c

## Bench Screw

**4-A-5847.** Lathe cut threads, movable collars, hardwood handles. Diam., ins.....1 1 1/2 1 3/4 1 7/8 2 1/4 Length, ins.....16 16 17 19 Price, each.....70c 85c \$1.00 \$1.50

## Goodell's Automatic Hand Drill

**4-A-5861.** Nickel plated. Length, 10 inches, drill points from 1/8 to 1/2 inch. Price.....\$1.68

## One-Foot Four-Fold Rule

**4-A-5817.** Caliper Rule. Has arch joint, full brass bound. Spaced 8ths, 10ths, 12ths and 16ths. Price.....60c

## 4-A-5869. Cabinet Makers' Clamp Attachment

Will fit wood bar 1 1/2 x 2 1/2 inches. Fitted with 1/2 inch screw and crank handle. Price, with-out bar, each.....\$1.05

## 4-A-5867. Has heavy "T" shaped steel bar

Size, 1 1/2 by 3/4 inches. Opens, feet, 2 3 4 5 Price, pair, \$3.90 \$4.00 \$4.40 \$5.00

Size No.	Size bolts of U. S. Stand. Nut	Extreme Length	Price, Each
23	3/8 to 1/2	4 1/2	\$0.13
25	1/2 to 5/8	5 1/2	.16
26	5/8 to 3/4	6 1/2	.20
27	3/4 to 7/8	7 1/2	.21
29	7/8 to 1	8 1/2	.24
30	1 to 1 1/8	9 1/2	.28
31	1 1/8 to 1 1/4	10 1/2	.29
34	1 1/4 to 1 3/8	12 1/2	.42
37	1 3/8 to 1 1/2	13 1/2	.52
38	1 1/2 to 1 5/8	14 1/2	.95
39	1 5/8 to 1 3/4	15 1/2	.97
40	1 3/4 to 2	16 1/2	1.32
41	2 to 2 1/8	17 1/2	1.32

## 8 Tools in 1

**4-A-6101.** 8 tools in 1. Staple Puller, Wire Cutter, Hammer, Pliers, Wire Trier, Wire Stretcher, Pipe Grip. Length, 10 inches. Price.....\$1.65

## COMBINATION PUNCH AND RIVETER

**4-A-6141.** Punches or rivets on the downward stroke. A good substantial tool, made of the toughest grade iron, tempered steel punches adjustable rivet set for tubular or split rivets, with hand finish or polished handle. Price, Each.....\$1.05

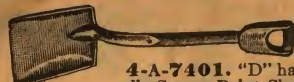
## DROP FORGED GRIP WRENCH

**4-A-6835.** Made of tool steel. Will grip any surface, from 1/2 to 1 inch in diameter. Has 3 dies in center. Will retract bolts sizes, 1/2, 3/4 and 1. Price, each.....48c

## HANDY LEVER RIVETER

**4-A-6147.** For tubular rivets only. The screws on the lever, pull down the lever, the hole is punched and the rivet is clinched. Both done in one operation. Price, each.....45c





**4-A-7401.** "D" handle Square Point Shovel. Plain black, full polished. Size, 9½x12 inches.....**\$1.05**



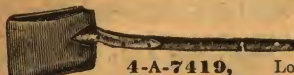
**4-A-7405.** "D" Handle Square Point Spade. Plain black, full polished. Size, 7½x12 inches.....**\$1.05**



**4-A-7409.** "D" Handle Coal Shovel. Hollow back. Natural Forged Finish. Size, ins. 13½x14 14½x14½ 14½x15½  
Price... **\$1.20 \$1.25 \$1.30**



**4-A-7413.** Ditching or Tilting Spade. Specially adapted for mucky and sticky soil. Fully warranted. Size, 6x18 inches.....**\$3.45**



**4-A-7419.** Long Handle Square Point Shovel. Plain back, full polished. Size 9½x12 inches.....**\$1.05**



**4-A-7423.** Long Handle Square Point Spade. Plain back, full polished. Size, 7½x12 inches.....**\$1.05**



**4-A-7427.** Steel Snow Shovel. Long Handle. Light, strong and durable. Makes an excellent general purpose shovel. Superior quality. Fully warranted.....**\$0c**



**4-A-7433.** Spading Fork. For handling and screening dirt from potatoes, heavy beets and other vegetables. Special crucible steel tines. Plain Ferrules.....**95c**



**4-A-7437.** Square Point Shovel. Best crucible steel, solid socket, full polished blade, 9½x12 inches.....**\$2.50**



**4-A-7441.** Long Handle, Round Point. Best crucible steel, solid socket full polished blade, 9½x12 inch.....**\$2.50**



**4-A-7417.** Cast iron Post Mauls. Full weight, width 3-foot hickory handles.  
Wt., lbs....10 13 16 18 20  
Price.....60c 78c 96 **\$1.08 \$1.20**



### EUREKA POST-HOLE DIGGERS

**4-A-7445.** Nothing better of its kind made. 9-inch cast steel blade, properly tempered, malleable iron shank, selected split, hardwood handles. Length, 5 ft., weight, about 9 lbs.....**\$2.10**

### EXTRA BROAD LEATHER HANDLE TROWELS

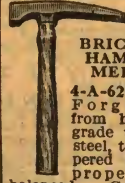
**4-A-6227** Hammered from solid bar crucible cast steel, carefully tempered and properly ground. 11-inch size is about 6 inches wide; other sizes in proportion.  
Size, inches.....10 10½ 11  
Price, each.....**\$1.05 \$1.18 \$1.22**

### PHILADELPHIA STANDARD TROWEL

**4-A-6219** Made of high grade steel, well finished properly shaped and fully guaranteed.  
Size, inches.....10 10½ 11  
Price, each.....77c 80c 83c

### CINCINNATI PLASTERING TROWEL

**4-A-6261** Guaranteed to suit the most critical workman. Hammered from a solid bar highest crucible steel, tempered tough and hard. Accurately ground  
Size, inches.....10½ 11 12  
Price, each.....**\$1.31 \$1.37 \$1.47**



**BRICK HAMMER**  
**4-A-6257.** Forged from high grade tool steel, tempered and properly balanced. Guaranteed to be strictly first class. Wt. of hammer, 2 lbs. Fitted with 12-inch selected handle.  
Price.....**\$1.30**



**SPAULING HAMMERS**  
Solid cast steel. Polished faces. Handles not included. Either single or double face, same price.  
**4-A-6213.** Single Face.  
**4-A-6215.** Double Face  
Wt., 4 lbs. Each.....**\$0.68**  
Wt., 5 lbs. Each.....**.70**  
Wt., 6 lbs. Each.....**.78**  
Wt., 7 lbs. Each.....**.98**  
Wt., 10 lbs. Each.....**1.30**



**STRIKING OR DRILLING HAMMER**  
**4-A-6217.** Solid cast steel. Polished faces. Handles not included.  
Wt., 4½ lbs. Each.....**\$0.63**  
Wt., 5 lbs. Each.....**.58**  
Wt., 6 lbs. Each.....**.69**  
Wt., 8 lbs. Each.....**.92**  
Wt., 9 lbs. Each.....**1.04**



**STONE SLEDGES**  
**4-A-6251.** Solid cast steel. Polished faces. Handles not included.  
Weight, Each  
8 lbs.....**\$0.92**  
10 lbs.....**1.15**  
12 lbs.....**1.38**  
14 lbs.....**1.61**



### INVINCIBLE POST-HOLE DIGGER

**4-A-7447.** Blade and shanks are drop forged from one solid piece of steel. Length of blade, 9 inches. Fitted with selected hardwood handles. Length, 5 feet. Weight about 9½ lbs.....**\$1.85**

### PHILADELPHIA PATTERN TROWEL

**4-A-6223** Hammered from solid bar crucible steel, properly tempered tapering from heel to point. Ground smooth. Best trowel of its kind made.  
Size, inches.....10 10½ 11  
Price, each.....82c 86c 94c

### POINTING TROWEL

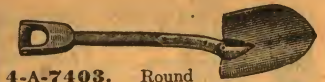
**4-A-6259** Hammered from a solid bar best quality cast steel. Properly tempered and accurately ground.  
Size, inches.....4 5 6  
Price, each.....32c 34c 37c

### STANDARD PLASTERING TROWEL

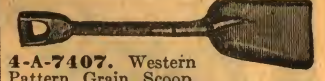
**4-A-6263** High grade crucible steel. Properly tempered and nicely finished. Fully guaranteed.  
Size, inch.....10 10½ 11  
Price, each.....70c 75c 80c



**BRICK CHISEL**  
**4-A-6255.** Solid cast steel. ¾-inch octagon handle, 4-inch blade.  
Price.....**70c**



**4-A-7403.** Round Point Shovel. Full polished. Size, 9½x12 inches.....**\$1.05**

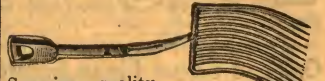


**4-A-7407.** Western Pattern Grain Scoop. Hollow back. Full polished.

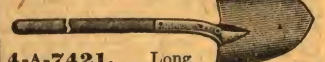
Size No.	Length Ins.	Price Each
6	16½	<b>\$1.46</b>
7	17	<b>1.50</b>
8	17½	<b>1.55</b>
9	18	<b>1.60</b>
10	19	<b>1.65</b>



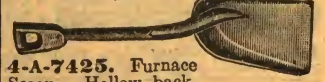
**4-A-7411.** Drain Spade. Strongly made to stand rough usage. Length, 18 inch. Full polished Price.....**\$1.60**



Superior quality. Coke Forks. Oval tines.  
**4-A-7415.** 10 tines, 16½ inch long. 14½ inches wide. Price.....**\$2.20**  
**4-A-7416.** 12 tines, 17½ inches long. 17½ inches wide. Price.....**\$2.60**



**4-A-7421.** Long Handle, Round Point Shovel. Plain back, full polished. Size, 9½x12 inches.....**\$1.05**



**4-A-7425.** Furnace Scoop. Hollow back, black finish. Size, 9x14 inches....**80c**



**4-A-7429.** Post Hole Spade. Strongly constructed. Full polished. Concave blade, 6 inches at point, length, 18 inches. Price.....**\$1.60**



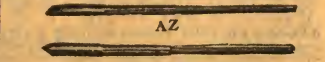
**4-A-7435.** Scoop Fork. Special crucible steel tines.  
8 tines, 11 in. wide, 14 ins. long **\$1.75**  
10 tines, 14 in. wide, 15 ins. long **2.25**  
12 tines, 18 ins. wide, 16 ins. long **2.60**



**4-A-7439.** Round Point Shovel. Best crucible steel, solid socket, full polished blade, 9½x12 inches.....**\$2.50**



**4-A-7443.** Square Point Spade. Best crucible steel, solid socket, full polished blade, 7½x12 inches.....**\$2.50**



**Solid crucible steel, tempered points, properly balanced, full size and strength.**  
Weight, lbs.....12 16 20  
Price, each.....85c **\$1.14 \$1.43**  
**4-A-7457.** Pinch Point AZ.  
**4-A-7459.** Wedge Point AZZ.



# Blowers—Forges—Blacksmiths' Tools!

## TORNADO PORTABLE FORGE

**\$9<sup>00</sup>**



While this forge is offered at an extremely low price, it has not been slighted in its construction. Its durability is fully guaranteed.

Construction: The material used is the very best. The legs are made of  $\frac{1}{2}$ -inch pipe, which screw firmly into the hearth and are tied together by wrought iron bands to insure rigidity when in action. The lever operates a segment gear on a ratchet, which permits the reverse motion while the drive wheel on the same shaft revolves rapidly. A leather belt connects drive wheel with the blower fan.

Your particular attention is called to the size of the hearth, which is 22 inches in diameter and 3 $\frac{1}{2}$  inches deep. This is an extremely popular forge, owing to the unusual size of the hearth, and we recommend it for all kinds of repair work.

Dimensions: Height of forge, 30 inches. Diameter of hearth, 22 inches. Depth of fire pan, 3 $\frac{1}{2}$  inches. Diameter of fan case, 9 inches.

**4-A-6511.** Tornado Portable Forge. Weight about 110 lbs. **\$9.00**

**4-A-6512.** Tornado Portable Forge. Same as above with half hood. Price **\$10.00**

## CYCLONE PORTABLE FORGE

**\$8<sup>80</sup>**

The best constructed and most durable low priced forge manufactured. For the farm and all light work.

The legs are made of  $\frac{1}{2}$ -inch pipe, firmly screwed into the hearth and are tied together with wrought iron bands. The hearth is made of the best grade, heavy cast iron, fitted with an improved Tuyere iron. The lever operates a segment gear on a ratchet, which permits the reverse motion, while the drive wheel on the same shaft revolves rapidly.

A leather Belt connects the drive wheel with the blower fan; the result is a strong, lasting blast produced with very little energy.

We guarantee that this forge will give entire satisfaction.

Dimensions: Height of forge, 30 inches. Diameter of hearth, 18 inches. Depth of fire pan, 3 $\frac{1}{2}$  inches. Diameter of fire case, 8 inches. Weight, about 85 pounds.

**4-A-6501.** Price with shield, as shown in illustration. **\$8.80**

**4-A-6503.** The same in every respect as the one described above, except that it is provided with a steel half hood for smoke pipe connection, instead of a shield for outside work, as shown in illustration. Weight, about 95 pounds.

Price **\$10.00**



## EXCELSIOR AGRICULTURAL FORGE

**\$19<sup>00</sup>**



Extra strong, well braced agricultural forge. No details have been neglected to produce a forge that will give you long service under constant use.

Special designed clutch, positive in action—no lost motion. The blast is strong and will bring the work to a welding heat in less time than any other forge of similar construction.

The lever support is a swivel, which permits lever to follow the motion of the arm.

There are no springs to get out of order. This forge is guaranteed to give you the satisfaction you have a right to expect.

Size of hearth, 23 by 35 inches; size of fan case, 12 in.; height, 30 inches.

**4-A-6504.** Price with shield, weight 180 lbs. **\$19.00**

**4-A-6506.** Price with half hood, weight 185 lbs. **\$21.00**

## EUREKA BLACKSMITHS, BOILER-MAKERS AND RIVET FORGES

**\$25<sup>20</sup>**

The Eureka forge is a strictly high grade outfit, designed especially for heavy smithing. There are no belts, ratchets, or clutches. Equipped with ball bearing fan shaft. Designed to produce a hotter fire in less time than any other blower forge on the market. Blast is strong and steady. Gears are perfectly built and enclosed in dust-proof, self-oiling case. Steel bushed bearings; gears and pinions large and heavy; easy running and durable. Furnished with heavy Tuyere iron, 14x11 $\frac{1}{2}$  inches and 4 inches deep, requiring no claying. Crank turns forward and backward to produce the blast. Hearth is deep with low sides almost level with the Tuyere for long shafts or forgings when working with a small fire.

Size of hearth, 23x35 inches size of fan case, 12 inches in diameter; height, 30 inches, with half hood for indoor work, weight, 225 lbs.

**4-A-6508.** Eureka blacksmiths, boilermakers and rivet forge, complete as described. **\$25.20**



## ANVIL TOOLS

Made of highest grade cast steel. Are full weight, properly tempered, well finished and the best that it is possible to manufacture. Your money back on any tools not entirely satisfactory. We guarantee a saving of 30% to 50%.

BOTTOM SWAGES 4-A-6921			TOP SWAGES 4-A-6943			BOTTOM PULLERS 4-A-6983			TOP PULLERS 4-A-6981			SQUARE FLATTERS 4-A-6985		
Ins.	Lbs.	Ea.	Ins.	Lbs.	Ea.	Ins.	Lbs.	Ea.	Ins.	Lbs.	Ea.	Face Ins.	Wt. Lbs.	Ea.
$\frac{1}{4}$	2	26c	$\frac{1}{4}$	2	23c	$\frac{1}{4}$	2	25c	$\frac{1}{4}$	2 $\frac{1}{2}$	26c	2 $\frac{1}{4}$	2 $\frac{1}{2}$	30c
$\frac{1}{2}$	2	27c	$\frac{1}{2}$	2 $\frac{1}{2}$	26c	$\frac{1}{2}$	2	26c	$\frac{1}{2}$	2 $\frac{1}{2}$	29c	2 $\frac{1}{2}$	2 $\frac{1}{2}$	35c
$\frac{3}{4}$	2 $\frac{1}{2}$	28c	$\frac{3}{4}$	3	32c	$\frac{3}{4}$	2 $\frac{1}{2}$	27c	$\frac{3}{4}$	2 $\frac{1}{2}$	30c	2 $\frac{3}{4}$	3 $\frac{1}{2}$	45c
$\frac{1}{2}$	2 $\frac{1}{2}$	29c	$\frac{1}{2}$	3	33c	$\frac{1}{2}$	2 $\frac{1}{2}$	28c	$\frac{1}{2}$	2 $\frac{1}{2}$	31c	3	4 $\frac{1}{2}$	50c
$\frac{3}{4}$	2 $\frac{1}{2}$	33c	$\frac{3}{4}$	3 $\frac{1}{2}$	34c	$\frac{3}{4}$	2 $\frac{1}{2}$	35c	$\frac{3}{4}$	2 $\frac{1}{2}$	35c			
1	3	35c	1 $\frac{1}{2}$	3 $\frac{1}{2}$	35c	1	3	37c	1	3	41c			
1 $\frac{1}{4}$	3	36c	1 $\frac{1}{2}$	3 $\frac{1}{2}$	35c	1 $\frac{1}{4}$	3	39c	1 $\frac{1}{4}$	3	42c			
1 $\frac{1}{2}$	3 $\frac{1}{2}$	42c	1 $\frac{1}{2}$	3 $\frac{1}{2}$	44c	1 $\frac{1}{2}$	3 $\frac{1}{2}$	41c	1 $\frac{1}{2}$	3 $\frac{1}{2}$	45c			
STRAIGHT HARDIES 4-A-6923			TOE HARDIES 4-A-6945			HOT CUTTER 4-A-6991			COLD CUTTER 4-A-6989			SQUARE SET HAMMERS 4-A-6987		
Shank, Ins.	Wt. Oz.	Ea.	Shank, Ins.	Wt. Oz.	Ea.	Shank, Ins.	Wt. Oz.	Ea.	Shank, Ins.	Wt. Oz.	Ea.	Face Ins.	Wt. Lbs.	Ea.
$\frac{1}{2}$	8 oz.	15c										1 $\frac{1}{4}$	1 $\frac{1}{4}$	74c
$\frac{3}{4}$	12 oz.	18c										1 $\frac{1}{2}$	2 $\frac{1}{4}$	91c
$\frac{1}{2}$	1 lb.	43c										1 $\frac{1}{4}$	4 $\frac{1}{4}$	\$1.12
$\frac{3}{4}$	1 $\frac{1}{2}$ lb.	50c												
1	1 $\frac{1}{2}$ lb.	56c												

4-A-6945. For cutting off heels of shoes.

Shank.....  $\frac{1}{2}$  inch, Each..... **\$1.06**

4-A-6991. Without handle. Cuts 1 $\frac{1}{2}$  inch, weight, 2 $\frac{1}{2}$  lbs. .... **80c**

4-A-6989. Cuts 1 $\frac{1}{2}$  in., weight 2 $\frac{1}{2}$  lbs. .... **80c**



# Blacksmiths' Tools-Blowers and Anvils



**\$15<sup>50</sup>**

## Blower for all General Work

This blower is made for all ordinary purposes for blacksmiths, wheelwrights, contractors, farmers and for any use where a light, easy running, efficient and durable machine is required at a reasonable price.

Built with direct drive and produces a strong, steady blast. The gears are perfectly cut and are enclosed in dust-proof, self-oiling case. Designed so that the crank may be turned forward or backward to produce the blast.

**4-A-6616.** 46 inch. Fan case 12 inches in diameter, with Tuyer iron and pipe complete. Weight, 140 lbs. Price..... **\$15.50**



Six  
Tools  
in  
One

**\$17<sup>50</sup>**

Forge  
Vise  
Anvil  
Pipe Vise  
Drill Press  
Emery  
Grinder

## Combination Outfit

This splendid combination Blacksmith Outfit, equipped with Forge, Vise, Anvil, Pipe Vise, Drill Press and Emery Grinder, is strictly a high grade combination tool that is built for service.

The gears are all cut. The forge pan is 12x14 inches, large enough to take a plowshare. This pan is cut away so that a plowshare can be put into it. The Blower-head attached is a real cut-gear, high speed outfit that runs silent and is speeded high enough to produce a white pressure heat so that welding can be done on any work the farmer is able to handle.

Height, overall, 41 inches; height to top of Forge Hearth, 26 inches; width of Vise Jaws, 4 inches; Extreme opening of Vise Jaws, 4 1/4 inches; capacity of Pipe Vise, 3 inches; capacity of Drill Press, 1/2 inch; greatest distance from Spindle to Table, 11 inches; spindle bored to take, 1/2 inch; face of Anvil, 3x5 1/4 inches; size of Handle 1/2 inch; size of Forged Hearth, 12x14 inches; depth of Forge Hearth 2 feet; speeds obtained by gearing, 1 to 1, 1 to 4, 1 to 14; size of Emery Wheels, 6x1 inches; Floor Space, 12x16 inches; Weight, 135 pounds.

The legs are angle steel, well riveted to the top plate and tool tray, and the two steel rods support the forge pan. Furnished complete with one 6x1 inch emery wheel, and one Hardie, as illustrated Shipped from Chicago Warehouse.

**4-A-974.** Price, complete..... **\$17.50**

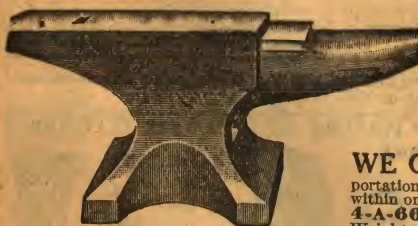


**\$23**

## Blacksmiths' Blower Direct Drive

This splendid blower is built with direct drive. The gears are cut in the most accurate manner and fitted to insure a light, easy running blower at all times. Made with ball bearings—no small gears or pinions. The gearing is enclosed in a dust-proof case and runs in a bath of oil. The crank turns forward or backward to produce the blast. Equipped with heavy Tuyer iron 14x11 1/4 in. over all and 4 in. deep. A strictly high grade blower suitable for heaviest work. Carries the indorsement of many particular users.

**4-A-6600.** Height, 46 inches. Fan case, 12 inches in diameter, with heavy Tuyer iron and pipe complete. Weight, 165 lbs. Price..... **\$23.00**



## Wrought Iron Anvils

American wrought iron anvils. Top and bottom are each made of one solid piece of the toughest iron. The body is made in two pieces, welded at the waist by improved methods. The face is made of one solid piece of highest grade tool steel, properly tempered and securely welded to the body and is guaranteed not to come loose. The face is planed after the anvil is finished and is therefore smooth. Has wide base, perfectly shaped horn and heel.

### WE GUARANTEE

Every anvil to give perfect satisfaction. Any anvil that is not satisfactory can be returned to us within thirty days and we will refund the amount paid, including transportation charges. We further guarantee that should any Premier Anvil break at the waist or the steel face become loose within one year from date of purchase, it will be replaced without charge.

**4-A-6621.** Premier wrought iron anvils.

Weight, pounds..... 200 to 220 170 to 190 120 to 165 80 to 119 70 to 79 60 to 69 50 to 59

Per pound..... 20c 21c 22c 23c 24c 25c 26c



## Cast Iron

**4-A-6625.** These anvils are made of a superior pig iron. Face accurately machined and chilled, therefore giving a smooth Anvil surface. This Anvil is for light work, and is not suitable for heavy forging. The waist is reinforced and the horn is slightly heavier in proportion than in a wrought iron Anvil. Anvil is fitted with 1/4-in. hole for hardy, also a 1/2-inch hole for punching. In three sizes only.

Weight, pounds..... 50 70 100  
Price, each..... \$4.20 \$5.90 \$8.75



## Steel Faced

**4-A-6628.** The face of this anvil is one solid piece of tool steel, thoroughly welded to body of anvil by a patented process and is then accurately ground and tempered. The horn is covered with steel and its extremity is made entirely of tough untempered steel. The body of the anvil is made of superior pig iron.

Weight, pounds..... 20 30 40 50 60 70 80 100  
Each..... \$3.00 \$4.80 \$5.60 \$6.40 \$6.95 \$7.75 \$8.55 \$10.65



## Self Feed Post Drill

# BLACKSMITH TOOLS

## Ball Bearing Gear Self Feed



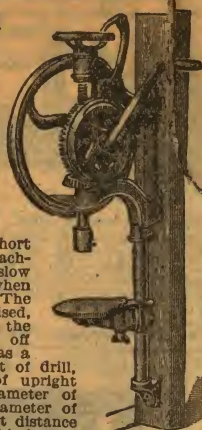
**\$29.00**

**4-A-6705.** Strongly constructed and especially adapted for heavy work. For belt and hand power. Fitted with tight and loose pulleys and fly wheel. It is equipped with a special automatic feeding device which is located back of spindle and is worked by a cam on inside of main gear wheel. This cam is constructed so as to give nearly a continuous feed. Made for heavy service. All bearings are extra long and turned out of solid metal. Height of drill, 45 inches.

Diameter of table, 11 inches. Diameter of spindle, 1 1/4 inches. Run of spindle, 3 inches. Size of columns, 2 inches. Greatest distance of spindle to table, 16 1/2 inches. Spindle turns 1 1/2 times to one turn of crank fast speed, crank turns 1 1/2 times to one turn of spindle on slow speed. Spindle is bored for 1/2-inch round shank drills. Drills 1 1/4-inch holes to center of 18-inch circle. Weight, 190 lbs. Price.....

**\$29.00**

## Double Geared Self Feed



**4-A-6702.** We claim that this is the best drill ever offered at the price and will meet with the requirements of the general shop and blacksmith work. It is constructed in the best possible manner and the material and workmanship cannot be excelled. The crank is adjustable to long or short turn. The self-feed attachment can be set fast or slow speed or thrown out when self feed is not required. The drill table can be raised, lowered or swung out of the way, or can be taken off entirely. The spindle has a run of 3 inches. Height of drill, 35 inches. Diameter of upright column, 1 1/2 inches. Diameter of drive gear, 8 inches. Diameter of table, 6 inches. Greatest distance of spindle to table, 9 1/2 inches. Fly wheel, 14 1/2 inches in diameter. Drill spindle is 1 inch steel and is bored for 1/2-inch round shank drills. Drills 3/4-inch holes to a center of 12-inch circle. Weight, crated, about 80 pounds. Price.....

**\$9.45**

**4-A-6701.** All parts readily detachable. No riveted pins holding spindle to feed screw, no washer bearings and riveted studs for the gears. The main gear revolves on a movable stud, screwed into the frame and having a hexagon head. The intermediate pin also turns on a steel stud.

The Gears are Machine Moulded, cleaned with sand blast.

Ball Bearing Feed. The nut connecting the feed screw to the spindle is complete within itself and is ball bearing, thus the friction is greatly minimized. The ball bearings also overcome the necessity of frequent oiling.

Has Adjustable Self Feed. The automatic feeding device gives nearly a continuous feed. The device is located back of the spindle and operated by a cam inside of the main gear wheel.

Two Speeds. No Left Hand Turning. Dimensions: Total height, 45 inches. Diameter of table, 10 inches; drive gear wheel, 6 inches. Fly wheel, 14 inches. Spindle, 1 inch. Column, 1 1/2 inches. Run of spindle, 4 inches. Greatest distance of spindle to table, 13 1/2 inches. Drills to center of 15-inch circle and up to 1 1/4 inch holes. Spindle is bored for 1/2-inch round shank drills. Weight, crated, about 100 pounds. Price.....



**\$13.25**

## Double Geared Self Feed



**4-A-6707.** All bearings are turned out of solid metal to a work fit. The drill has two speeds one for light work—the other for heavy. Table can be raised or lowered, turned to side or removed and the fork used as a wheel holder. The automatic feed device is located back of the spindle. The lower column is properly aligned with the spindle and the drill table at right angles with the spindle which causes the drill to turn free and easy.

Run of spindle, 3 ins. Bored for 1/2-inch round shank drills. Drills 1 1/4-inch holes to center of a 15-inch circle. Weight, about 115 lbs. Price.....

**\$12.50**

## Straight Shank Twist Drill



High Grade Straight Shank Drills. Made for machinists' use, from finest tool steel used in the manufacture of drills. Each drill ground to gauge, finely tempered and guaranteed to drill more holes than any other twist drill made. To be used in bit brace. Shanks for these drills are the same diameter as the drill.

4-A-6805. Straight shank twist drills.	1-16	5-64	3-32	7-64	1-8	9-64	5-32	11-64	3-16	13-64
Diameter.....	2 1/2	2 3/4	2 3/4	2 3/4	3	3 1/2	3 3/4	3 3/4	3 3/4	3 3/4
Length, inches.....	07c	08c	08c	08c	09c	09c	09c	09c	10c	11c
Diameter.....	7-32	15-64	1-4	17-64	9-32	19-64	5-16	21-64	11-32	23-64
Length, inches.....	3 3/4	3 3/4	4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4
Each.....	12c	13c	15c	16c	17c	18c	19c	20c	22c	24c
Diameter.....	3-8	25-64	13-32	27-64	7-16	29-64	15-32	31-54	1-2	
Length, inches.....	5	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	6
Each.....	27c	28c	30c	34c	37c	40c	44c	49c	53c	

## Round Shank Drill Bits



**WITH HALF INCH ROUND SHANKS. For Use in Connection with Post Drills**  
**4-A-6801.** Half-inch Round Shank Drills made of the very best grade of Steel, accurately and carefully tempered and will drill more holes than any other blacksmith drill on the market. Each one is absolutely true to gauge and fully guaranteed in every particular.

Size.....	1/2	5-32	3/8	7-32	1/2	9-32	5/8	11-32	3/4	13-32	7/8	15-32	1 1/2	17-32
Price.....	24c	25c	26c	29c	32c	34c	37c	39c	42c	45c	47c	50c	53c	55c
Size.....	5/8	19-32	3/4	21-32	7/8	23-32	1 1/8	25-32	1 1/4	27-32	1 1/2	29-32	1 3/4	31-32
Price.....	58c	63c	68c	74c	79c	84c	89c	95c						
Size.....	1 1/2	27-32	1 3/4	29-32	1 5/8	31-32	2	33-32	2 1/8	35-32	2 1/4	37-32	2 1/2	39-32
Price.....	\$1.00	\$1.05	\$1.10	\$1.16	\$1.21	\$1.26	\$1.31	\$1.36	\$1.41	\$1.46	\$1.51	\$1.56	\$1.61	\$1.66

## Bit Stock Drills

**4-A-6807.** Can be used in an ordinary bit brace, and will drill hardwood, steel and other metals.

Size.....	1/4	5-32	3/8	7-32	1/2	9-32	5/8	11-32	3/4
Each.....	13c	15c	17c	19c	21c	26c	30c	35c	37c
Size.....	13-32	3/4	15-32	1 1/4	1 1/2	1 3/4	1 5/8	1 3/4	1 7/8
Each.....	40c	45c	50c	55c	77c	\$1.03	\$1.28	\$1.55	

## Straight Shank Twist Drill Set

**4-A-6802.** 1/2 to 1 1/2 by 64ths. Mounted on metal blocks. Size of drill, also decimal equivalent and tap drill size. Price.....



4-A-6821. Entire Bar Drop forged from one piece of Steel. Made with reinforced bar.	Length, ins.	6	8	10	12
Opens, ins.	1 1/2	1 1/4	1 1/2	1 3/4	2 1/4
Price.....	80c	95c	\$1.15	\$1.45	
Length, ins.	15	18	21	24	
Opens, ins.	2 3/4	3 1/4	4	4 1/4	
Price.....	\$1.95	\$2.65	\$2.95		

## Machine Counter Sinks

**4-A-6823.** Half inch Round Shanks. Will fit any of our post drills. Size, inches..... 1/2 3/4 1 1/4 1 1/2 1 3/4 2 1/4 2 1/2 2 3/4 3 1/4 3 3/4 4 1/4 4 3/4 5 1/4 5 3/4 6 1/4 6 3/4 7 1/4 7 3/4 8 1/4 8 3/4 9 1/4 9 3/4 10 1/4 10 3/4 11 1/4 11 3/4 12 1/4 12 3/4 13 1/4 13 3/4 14 1/4 14 3/4 15 1/4 15 3/4 16 1/4 16 3/4 17 1/4 17 3/4 18 1/4 18 3/4 19 1/4 19 3/4 20 1/4 20 3/4 21 1/4 21 3/4 22 1/4 22 3/4 23 1/4 23 3/4 24 1/4 24 3/4 25 1/4 25 3/4 26 1/4 26 3/4 27 1/4 27 3/4 28 1/4 28 3/4 29 1/4 29 3/4 30 1/4 30 3/4 31 1/4 31 3/4 32 1/4 32 3/4 33 1/4 33 3/4 34 1/4 34 3/4 35 1/4 35 3/4 36 1/4 36 3/4 37 1/4 37 3/4 38 1/4 38 3/4 39 1/4 39 3/4 40 1/4 40 3/4 41 1/4 41 3/4 42 1/4 42 3/4 43 1/4 43 3/4 44 1/4 44 3/4 45 1/4 45 3/4 46 1/4 46 3/4 47 1/4 47 3/4 48 1/4 48 3/4 49 1/4 49 3/4 50 1/4 50 3/4 51 1/4 51 3/4 52 1/4 52 3/4 53 1/4 53 3/4 54 1/4 54 3/4 55 1/4 55 3/4 56 1/4 56 3/4 57 1/4 57 3/4 58 1/4 58 3/4 59 1/4 59 3/4 60 1/4 60 3/4 61 1/4 61 3/4 62 1/4 62 3/4 63 1/4 63 3/4 64 1/4 64 3/4 65 1/4 65 3/4 66 1/4 66 3/4 67 1/4 67 3/4 68 1/4 68 3/4 69 1/4 69 3/4 70 1/4 70 3/4 71 1/4 71 3/4 72 1/4 72 3/4 73 1/4 73 3/4 74 1/4 74 3/4 75 1/4 75 3/4 76 1/4 76 3/4 77 1/4 77 3/4 78 1/4 78 3/4 79 1/4 79 3/4 80 1/4 80 3/4 81 1/4 81 3/4 82 1/4 82 3/4 83 1/4 83 3/4 84 1/4 84 3/4 85 1/4 85 3/4 86 1/4 86 3/4 87 1/4 87 3/4 88 1/4 88 3/4 89 1/4 89 3/4 90 1/4 90 3/4 91 1/4 91 3/4 92 1/4 92 3/4 93 1/4 93 3/4 94 1/4 94 3/4 95 1/4 95 3/4 96 1/4 96 3/4 97 1/4 97 3/4 98 1/4 98 3/4 99 1/4 99 3/4 100 1/4 100 3/4 101 1/4 101 3/4 102 1/4 102 3/4 103 1/4 103 3/4 104 1/4 104 3/4 105 1/4 105 3/4 106 1/4 106 3/4 107 1/4 107 3/4 108 1/4 108 3/4 109 1/4 109 3/4 110 1/4 110 3/4 111 1/4 111 3/4 112 1/4 112 3/4 113 1/4 113 3/4 114 1/4 114 3/4 115 1/4 115 3/4 116 1/4 116 3/4 117 1/4 117 3/4 118 1/4 118 3/4 119 1/4 119 3/4 120 1/4 120 3/4 121 1/4 121 3/4 122 1/4 122 3/4 123 1/4 123 3/4 124 1/4 124 3/4 125 1/4 125 3/4 126 1/4 126 3/4 127 1/4 127 3/4 128 1/4 128 3/4 129 1/4 129 3/4 130 1/4 130 3/4 131 1/4 131 3/4 132 1/4 132 3/4 133 1/4 133 3/4 134 1/4 134 3/4 135 1/4 135 3/4 136 1/4 136 3/4 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449 3/4 450 1/4 450 3/4 451 1/4 451 3/4 452 1/4 452 3/4 453 1/4 453 3/4 454 1/4 454 3/4 455 1/4 45



# Blacksmiths' and Machinists' Vises!



**Steel Beam Swivel Base Vise**

**4-A-7203.** This Vise has a solid steel beam which gives it strength. Being fitted with a swivel bottom, it can be turned rapidly either right or left. This movement is securely fastened with turn of lever.

Width of jaws, ins.	2 1/2	3	3 1/2	4
Opens, inches	3	3 1/2	4	6
Weight, lbs.	12	15	20	32
Price, each	\$3.35	\$4.05	\$5.25	\$7.70



**Steel Beam Vise**

**4-A-7205.** This vise is of very strong construction and is made with solid steel beam. The handles are of cold rolled steel and the jaws are tempered steel. Furnished with bolt and nut and can therefore be used as a swivel as well as a stationary vise.

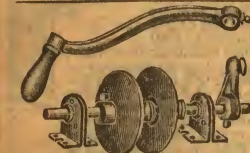
Width of jaws, inches	2 1/2	3	3 1/2	4
Opens, inches	3	3 1/2	4	6
Weight, lbs.	11	13	19	30
Price, each	\$2.80	\$3.55	\$3.95	\$6.15



**Bench Clamp**

**4-A-7215.** These small vises are made to clamp to a table or bench. The top of the jaws and face and anvil are ground and polished. The sliding jaw is made with a deep machine cut thread.

Width of jaws, in.	1 1/2	2
Opens, inches	1 1/2	2
Price, each	65c	\$1.00



**Ball Bearing Grindstone Fixtures**

**4-A-4407.** Made with ball bearing journals. Will support stones from 1 1/2 to 3 inches thick up to 30 inches in diameter.

Price, per set	\$1.75
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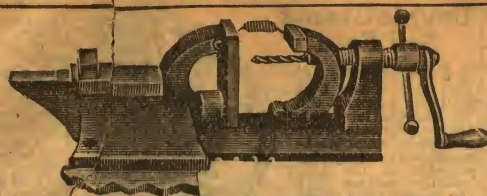
**Grindstone**

**\$6.00**



**4-A-4401.** Frame is constructed from angle steel extra well braced. Ball bearings on journals and cranks. Axes are made of steel. Stone is the best selected Berea grit, 20 to 22 inches in diameter, 2 to 2 1/2 inches thick, and weigh on an average of 60 pounds. Weight, about 85 pounds.

Price, each	\$6.00
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**Premier Combination Anvil, Vise, Drill and Hardie**

This useful combination of tools is designed to meet all requirements for farmers, mechanics, mills, mines; in fact, it is useful in every home. It consists of a vise, drill, anvil and hardie. Jaws of the vise open 6 inches. Width, 3 1/2 inches, and are faced with steel. Drills holes up to 1/2 inch. 1/2-inch round shank drills are used in connection with this tool.

Weight, about 60 pounds.	
4-A-7221. Price complete, without drill bits	\$3 75



**Combination Vise Anvil and Pipe Vise**

**4-A-7223.** This Vise is intended only for light work and is the best finished vise of its type on the market. Made of cast iron with chilled face. Width of jaws, 3 inches; opens 5 inches. Weight, 26 pounds.

Price	\$2.25
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**Oval Slide Parallel Bench Vise**



**4-A-7227.** The strongest and best finished oval slide vise manufactured. Has tool steel jaws and wrought screw, accurately cut and fitted. Adapted for any kind of light work.

Width of jaws, inches	2 1/2	3	3 1/2
Opens, inches	3 1/2	4	4 1/2
Weight, lbs.	8	14	24
Price, each	\$2.15	\$2.50	\$3.15



**Ball Bearing Grindstone Fixtures**

**4-A-4409.** Adjustable for stones of different thicknesses. The use of these fixtures will prevent the splitting of grindstone which is often the case when wooden wedges or axes are used. Japanned finish.

Length, inches	15	17	19	21
For Stone, lbs.	40	60	80	100
Price, each	\$0.85	\$0.94	\$1.00	\$1.10

**Hammer and Axe Handles**

**Hand Shaved Octagon Hickory Axe Handles**

**4-A-6201.** Made of strictly clear, selected, thoroughly seasoned second growth white hickory. Length, 36 inches.

Each	57c
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**Hand Shaved Oval Hickory Axe Handles**

**4-A-6203.** Made of strictly clear, selected, thoroughly seasoned second growth white hickory. Length, 36 inches.

Each	51c
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**TURNED HICKORY SINGLE BIT AXE HANDLES**

**4-A-6205.** First Grade. Length, 36 inches. Each.....29c

**BROAD AXE HANDLES**  
**4-A-6207.** First Grade only. Reversible for right or left hand. Length, 34 inches. Each.....34c

**HAMMER HANDLES**  
**4-A-6233.** First Grade only. Length, 14 inches. Each.....7c

**HATCHET HANDLES**  
**4-A-6235.** First Grade only. Length, 14 inches. Each.....7c

**BROAD HATCHET HANDLES**  
**4-A-6241.** First Grade only. Length, inches.....16 17 18 Each.....9c 10c 11c

**RIVETING HAMMER HA DLE**  
**4-A-6243.** First Grade only. Length, 14 inches. Each.....7c

**POST MAUL HANDLES**  
**4-A-6245.** First Grade only. Length, 36 inches. Each.....20c

**DOUBLE BIT HICKORY AXE HANDLES**

**4-A-6209.** First Grade only. Length, 36 inches. Each.....29c

**PICK OR MATTOCK HANDLES**  
**4-A-6211.** First Grade only. Length, 36 inches. Each.....34c

**SLEDGE HANDLES**  
**4-A-6237.** First Grade only. Length, 34 inches. Each.....28c

**MACHINISTS' HAMMER HANDLES**  
**4-A-6239.** First Grade only. Length, 16 inches. Each.....7c

**BLACKSMITHS' HAMMER HANDLES**  
**4-A-6247.** First Grade only. Length, 16 inches. Each.....7c

**ADZE HANDLES**  
**4-A-6249.** First Grade only. Length, 34 inches. Each.....25c

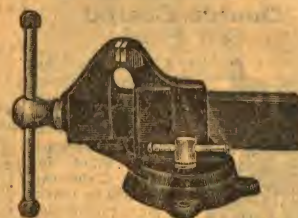
**Blacksmiths' Solid Box Vises**



**4-A-7201.** The strongest and best made solid box vise possible to produce. The jaws are each forged from one piece of steel and are faced with crucible tool steel tempered to stand the pressure. The screws are made from heavy steel screw stock threaded on automatic machines, insuring uniformity. The box is fitted with special collars to prevent binding the screw and stripping the thread. Every vise fully guaranteed.

Width of jaws, inches	3 1/2	4	4 1/2
Weight, lbs.	35	40	45
Price, each	\$5.65	\$5.95	\$6.25
Width of jaws, inches	4 1/2	4 3/4	5 1/4
Weight, lbs.	50	60	70
Price, each	\$6.50	\$7.40	\$8.50
Width of jaws, inches	5 1/2	6	6 1/2
Weight, lbs.	80	90	100
Price, each	\$9.95	\$11.35	\$11.45

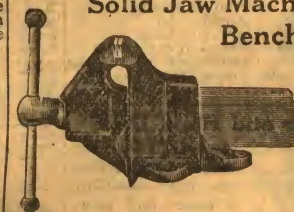
**Swivel Vise**



**4-A-7225.** This vise can be turned in any position on an axis parallel with the floor and is locked by a clamping bolt.

Width of jaws, ins.	3	3 1/2	4	4 1/2
Opens, inches	4	5	6	6 1/2
Weight, lbs.	28	38	54	65
Price, each	\$12.25	\$14.00	\$16.80	\$19.60
Width of jaws, ins.	5	5 1/2	6	7
Opens, inches	7 1/2	8 1/2	10	12
Weight, lbs.	90	120	136	240
Price, each	\$21.85	\$27.50	\$37.50	\$46.85

**Solid Jaw Machinists' Bench Vises**



**4-A-7223.** The metal used is an alloy mixture, very tough, making the strongest vise possible to manufacture. Reinforced where the strain is heaviest. Screws and handles are cold rolled steel. Jaws are heavy tool steel carefully tempered. Every vise is fully guaranteed. Stationary bottom.

Width of jaws, inches	3	3 1/2	4
Opens, inches	4 1/2	5	6
Weight, lbs.	24	28	42
Price, each	\$10.50	\$11.20	\$13.30
Width of jaws, inches	4 1/2	5	6
Opens, inches	6 1/2	7 1/2	8 1/2
Weight, lbs.	55	72	72
Price, each	\$15.40	\$19.60	\$19.60

**Household Grindstone**

Fitted with convenient adjustable tool rests, nicely finished in black enamel.



**4-A-4401.** 4-in. case, wheel size, 4x3x1 inch. Price.....\$2.10  
**4-A-4406.** 5-in. case, wheel size, 5x1x1 inch. Price.....\$2.80  
**4-A-4408.** 7-in. case, wheel size, 6x1x1 inch. Price.....\$3.55  
**7-A-4410.** 8-in. case, wheel size, 7x1x1 inch. Price.....\$4.70



## TOOL SETS

Each item represents the very best of its respective kind. Every tool is selected from our regular stock and is fully guaranteed and adapted to the use of the skilled mechanic. The Tool Chest is of Hardwood and is strongly made and nicely finished, fitted with sliding tray, handles and a secure lock.

- 1 Premier Extra High Grade Hand Saw, length, 26 inches.
- 1 Favorite Rip Saw, length, 26 inches.
- 1 Compass Saw, 12-inch, spring steel blade.
- 1 Iron Block Plane, length, 5 1/4 inches.
- 1 Adjustable Iron Jack Plane, length, 15 inches.
- 1 Morrell Pattern Saw Set.
- 1 Japanned Iron Saw Vise, length of jaws, 9 1/4 inches.
- 1 Slim Taper File, length, 5 inches.
- 1 Flat Mill File, length, 8 inches.
- 1 Malleable Iron File and Tool Holder.
- 1 Carpenters' Steel Square, No. 7, with Essex board measure. Length of body, 24 inches; 16-inch tongue. Both sides marked in 8ths, 4ths and 1 inch.
- 1 Oil Stone, length, 8 inches, mounted in hardwood case.
- 1 Pair Carpenters' Pincers, length, 8 inches. Claw on one handle, screwdriver on other.
- 1 Knurled Nail Set, tempered at both ends.
- 1 Spring Tube Punch for punching holes in leather.
- 1 Marking Gauge.
- 1 Wing Divider, polished steel, length, 8 inches.
- 1 Tri-Square.
- 1 Adjustable Plumb and Level, polished cherry finish, arched top plates, two brass-tipped side views, length, 28 inches.
- 1 Zig Zag Folding Rule, length, 5 feet.
- 1 Carpenters' Pencil.
- 1 Sliding T bevel, rosewood handle, brass tipped, 8-inch blade.
- 5 Premier Socket Firmer Chisels. Leather tipped handles, one each size, 1/4, 1/2, 3/4, 1 and 1 1/4 inches.
- 1 Ratchet Brace, nickel plated, polished hardwood head and handle. 10-inch sweep.
- 1 Hollow Handle Tool Set, polished cocobola handle, with 10 hand forged finely tempered tools.
- 1 Premier Drawing Knife, length of cut, 10 inches.
- 1 Monkey Wrench, length, 8 inches.
- 1 Cold Chisel, perfectly tempered, 1/2-inch cut.
- 6 Jennings' Pattern Auger Bits, high grade. One each size, 1/4, 1/2, 3/4, 1 and 1 1/4 inches.
- 1 Combination Side Cutting Plier, length, 6 inches. End of one handle can be used as screwdriver; the other is pointed and can be used as a reamer.



- 4 German Pattern Gimlet Bits, extra-quality. One each size, 1-16, 1/4, 5-32 and 3-16.
- 1 Combination Anvil and Vise, 1 1/2-inch jaws.
- 1 Premier Shingling Hatchet, 3 1/4-inch cut.
- 1 Forged Steel Nail Hammer, size No. 1 1/4.
- 1 Chalk Line Reel and Awl.
- 1 Plumb Bob, nickel plated.

- 3 Hanks Braided Chalk Line.
- 6 Cakes Carpenters' Chalk.
- 1 Small Head Counter Sink, for wood.
- 1 Mallet, hickory head, size 6 1/2 x 2 1/4 x 3 1/4 inches, with handle.
- 100 Assorted Tubular Rivets.
- 12 Sheets Sandpaper, assorted.

**4-A-1603. Triumph Tool Set.**  
Complete with Chest .....

**\$39.95**

## EXCELSIOR COMPLETE TOOL SET

**4-A-4701.** The Tool Chest is made of Hardwood and is very substantial. It is fitted with a sliding tray and a secure lock, and is sufficiently large to hold other tools that you may wish to add from time to time.

OUR EXCELSIOR TOOL SET CONSISTS OF THE FOLLOWING TOOLS:

- 1 Chicago Special Hand Saw, 24 inches long.
- 1 Chicago Special Rip Saw, 26 inches long.
- 1 Iron Block Plane, length, 5 1/4 inches.
- 1 Adjustable Wood Bottom Jack Plane, length, 15 ins.
- 1 Ratchet Brace, 10-inch sweep, nickel plated.
- 1 2-Foot Four-Fold Rule.
- 1 Sliding T Bevel, Rosewood handle, brass-tipped, 8-inch blade.
- 3 German Pattern Gimlet Bits, one each size, 1-16, 1/4 and 3-16 inch.
- 1 Oil Stone, length, 6 inches, mounted in hardwood case.
- 4 Extension Lip Auger Bits, one each size, 1/4, 1/2, 3/4 and 1 inch.

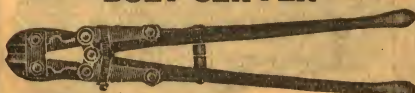
- 1 High Grade Shingling Hatchet, width of bit, 3 1/4 inches.
- 1 Premier Drawing Knife, length of cut, 10 inches.
- 1 Screw Driver Bit.
- 1 Carpenters' Steel Square, No. 7, with Essex board measure; 24-inch body, 16-inch tongue. Marked on both sides.
- 1 Pair Combination Pliers, nickel plated, length, 5 ins.
- 1 Monkey Wrench, length, 10 inches.
- 1 Slim Taper File, length, 5 inches.
- 1 Mill File, length, 8 inches.
- 1 Iron File and Tool Holder.
- 1 Wrought Steel Nail Hammer.

- 1 Oval Head Marking Gauge.
- 3 Socket Firmer Chisels, leather-tipped handles, one each size, 1/4, 1/2 and 1 inch.
- 1 Knurled Nail Set.
- 1 Champion Pattern Screw Driver, 4-inch steel blade.
- 1 Plumb and Level, polished cherry, length, 28 inches.
- 1 Carpenters' Pencil.
- 1 Rose Head Countersink Bit.
- 1 Small Head Countersink Bit.
- 1 Square Reamer Bit.

Complete with Chest .....

**\$25.95**

### BOLT CLIPPER



Size No.	For Cutting Bolts	Each
0	Up to 1/4 inch	<b>\$3.00</b>
1	Up to 3/8 inch	<b>3.50</b>

### RIVETING HAMMERS



**4-A-7013.** Polished cast steel. Complete with handles. Handles are not included in weight.  
Weight, ounces..... 7    9    12    18  
Each..... 59c    62c    64c    71c

### MACHINISTS' BALL PEIN HAMMERS

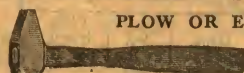


**4-A-7010.** Cast steel, half polished, complete with Handles.  
Wt., lbs..... 1    1 1/4    1 1/2    1 3/4    2  
Each..... 73c    75c    83c    89c    \$1.00



### HORSESHOERS' TURNING SLEDGES

**4-A-7023.** Solid cast steel, polished faces. Prices do not include handles.  
Wt., lbs..... 6    10  
Each..... \$1.02    \$1.70



### PLOW OR ENGINEERS' HAMMER

**4-A-7017.** Made of the very best quality of steel, highly polished, complete with handles. Handle not included in weight.  
Weight, ounces..... 18    24    36  
Each..... 70c    82c    87c



### BLACKSMITHS' HAND HAMMERS

**4-A-7015.** We guarantee this hammer to be made of the very best quality steel, polished and complete with handles. Handles not included in weight.  
Weight, lbs..... 2    2 1/2    3  
Price, each..... \$1.22    \$1.30    \$1.40



### BLACKSMITHS' SLEDGES

**4-A-7021.** Solid cast steel polished faces, fully guaranteed. Prices do not include handles.  
Wt., lbs.... 6    8    10    12    14    18  
Each..... 63c    84c    \$1.05    \$1.26    \$1.47    \$1.89

## "OUR GEM" TOOL SET



"Our Gem" Tool Set consists of the following tools:

- 1 24-inch Crucible Steel Hand Saw.
- 1 Steel Nail Hammer.
- 1 Bit Brace, 8-inch sweep.
- 3 Auger Bits, cast steel, double spur, one each size, 1/4, 1/2, 3/4 inch.
- 4 Gimlet Bits, double cut, assorted sizes.
- 1 1/4-inch Leather-tipped Socket Firmer Chisel.
- 1 4-inch Screw Driver, Champion pattern.
- 1 7-inch Iron Block Plane.
- 1 2-foot 4-fold Boxwood Rule.
- 1 Shingling Hatchet.
- 1 Combination Anvil and Vise, 1 1/2-inch jaws.
- 1 8-inch Monkey Wrench.
- 1 6-inch Steel Tri-Square.
- 1 4-inch Taper File with Handle.

**4-A-4601. "Our Gem" Tool Set.**  
Complete .....

**\$7.25**

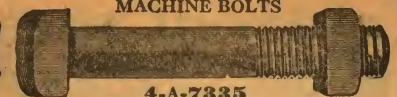


## BLACKSMITHS' STOCKS AND DIES.



## HARDWARE SNAPS!

## MACHINE BOLTS



Cuts all right hand threads except No. 4-A-7332.

Catalog Number	Manufacturers No.	Cuts inch	No. of Threads inch to	No. of taps in set	No. of dies in set	Price per set
4-A-7301	55	1/8 to 1/2	18-24 and 32	4	3 sets	\$2.80
4-A-7303	53	1/8 to 1/2	16-20-24 and 32	4	4 sets	3.00
4-A-7305	53 A	1/8 to 1/2	18-20-24 and 32	4	4 sets	3.10
4-A-7307	41	1/8 to 1/2	16-20 and 26	6	3 sets	3.65
4-A-7309	41 C	1/8 to 1/2	12-14 and 16	6	3 sets	3.70
4-A-7311	41 D	1/8 to 1/2	12-16 and 20	6	3 sets	3.75
4-A-7313	37	1/8 to 1/2	14-18 and 22	6	3 sets	4.75
4-A-7315	37 A	1/8 to 1/2	12-14 and 16	6	3 sets	4.80
4-A-7317	37 C	1/8 to 1/2	11-12 and 16	6	3 sets	4.85
4-A-7319	34 C	1/8 to 1/2	10-11 and 12	3	3 sets	5.00
4-A-7321	34 B	1/8 to 1/2	12-14 and 16	3	3 sets	5.05
4-A-7323	34 A	1/8 to 1/2	10-12 and 14	3	3 sets	5.10
4-A-7325	32 A	1/8 to 1/2	10-11-12 and 14	4	4 sets	5.60
4-A-7327	32 B	1/8 to 1/2	10-12-14 and 16	4	4 sets	5.65
4-A-7329	23	1 to 3/8	9-10 and 14	3	3 sets	5.75
4-A-7331	23 A	1 to 3/8	8-10 and 12	3	3 sets	5.75
4-A-7332	42 A	1/2 to 3/8	{Right hand 12 and 18 Left hand 12}	6	3 sets	3.95



## BLACKSMITHS' STOCKS AND DIES.

With Stocks for single die. Cuts right hand threads only.

Catalog Number	Mfrs. No.	Cuts inch	No. of Threads to inch	No. of taps in set	No. of dies in set	Price per set
4-A-7337	51 A	1/8 to 1/2	12-14 and 16	3	3 sets	\$4.45
4-A-7339	51 B	1/8 to 1/2	12-14-16 and 18	4	4 sets	5.00
4-A-7341	60	1/8 to 1/2	10-12-14 and 18	6	4 sets	7.25
4-A-7343	27	1/8 to 1/2	10-12 and 16	6	3 sets	7.30
4-A-7345	27 B	1/8 to 1/2	10-11-12-14 and 16	5	5 sets	8.40
4-A-7347	27 C	1/8 to 1/2	10-11-12-14-16 and 18	6	6 sets	9.50
4-A-7349	27 D	1/8 to 1/2	10-11-12-14-16-18-20	7	7 sets	10.65
4-A-7351	27 A	1/8 to 1/2	10-11 and 12	6	3 sets	7.35
4-A-7353	19 B	1 to 2 1/2	8-9-10 and 11	4	4 sets	10.00
4-A-7355	19 C	1 to 2 1/2	8-9-10-11 and 12	5	5 sets	11.75

## WOOD SCREWS.

Flat head bright wood screws, cold forged, are stronger, hold better and are inserted easier than other wood screws. Orders for less than a gross will be charged at the dozen price.

4-A-4029	4-A-4031	4-A-4033	4-A-4035
Length 1/4 inch	Length 3/8 inch	Length 1/2 inch	Length 3/4 inch
No. Gross Doz.	No. Gross Doz.	No. Gross Doz.	No. Gross Doz.
1 23c 3c	1 23c 3c	2 23c 3c	2 23c 3c
2 23c 3c	2 23c 3c	3 23c 3c	3 23c 3c
3 23c 3c	3 23c 3c	4 24c 3c	4 24c 3c
	4 23c 3c	5 25c 3c	5 25c 3c
		6 26c 3c	6 27c 3c
			7 29c 3c
4-A-4037	4-A-4039	4-A-4041	4-A-4043
Length 1/2 inch	Length 5/8 inch	Length 1 inch	Length 1 1/4 inch
No. Gross Doz.	No. Gross Doz.	No. Gross Doz.	No. Gross Doz.
4 25c 4c	5 28c 4c	5 29c 4c	7 36c 5c
5 27c 4c	6 29c 4c	6 30c 4c	8 37c 5c
6 28c 4c	7 31c 4c	7 31c 4c	9 40c 5c
7 29c 4c	8 32c 4c	8 34c 4c	10 42c 5c
8 33c 4c	9 34c 4c	9 36c 4c	12 50c 6c
9 35c 4c	10 36c 4c	10 38c 4c	14 61c 6c
10 36c 4c	12 44c 4c	12 43c 4c	16 71c 6c
		14 56c 5c	
4-A-4045	4-A-4047	4-A-4049	4-A-4051
Length 1 1/4 inch	Length 2 inch	Length 2 1/2 inch	Length 3 inch
No. Gross Doz.	No. Gross Doz.	No. Gross Doz.	No. Gross Doz.
8 42c 5c	10 57c 6c	12 75c 9c	14 \$1.13 12c
9 44c 5c	12 64c 7c	14 86c 10c	16 1.36 14c
10 45c 5c	14 79c 8c	16 1.18 12c	18 1.78 16c
12 53c 5c	16 1.00 12c	18 1.52 15c	
14 64c 6c	18 1.36 14c		
16 91c 10c			

## ROUND AND FLAT HEAD STOVE BOLTS.



3-16 INCH DIAMETER	1/4 INCH DIAMETER	5-16 INCH DIAMETER
Length, inch... 1/2 3/4 1 1 1/4 1 1/2 2 2 1/2 3	Length, inch... 1/2 3/4 1 1 1/4 1 1/2 2 2 1/2 3	Length, inch... 1/2 3/4 1 1 1/4 1 1/2 2 2 1/2 3
Price per 100... 27c 27c 29c 29c 32c 35c 37c 39c 42c 48c	Price, per 100... 38c 38c 38c 40c 42c 45c 48c 50c 52c 58c 64c	Price, per 100... 56c 58c 60c 62c 66c 69c 74c 80c 86c

1-4 INCH DIAMETER BOLTS
Length, in., 1 1/4 1 1/2 2 2 1/2 3 3 1/2 4 4 1/2 5 5 1/2 6 6 1/2 7
Per 100., \$1.00 1.00 1.06 1.12 1.18 1.24 1.30 1.56 1.62 1.68 1.73 1.78 1.85

5-16 INCH DIAMETER BOLTS
Length, in., 1 1/4 1 1/2 2 2 1/2 3 3 1/2 4 4 1/2 5 5 1/2 6 6 1/2 7
Per 100., \$1.20 1.20 1.26 1.34 1.40 1.50 1.66 1.95 2.03 2.11 2.20 2.28 2.37

3-8 INCH DIAMETER BOLTS
Length, inch... 1 1/4 1 1/2 2 2 1/2 3 3 1/2 4
Price, per 100... \$1.44 \$1.44 \$1.53 \$1.62 \$1.73 \$1.82 \$1.92
Length, inch... 4 1/2 5 5 1/2 6 6 1/2 7 8
Price, per 100... \$2.27 \$2.37 \$2.48 \$2.57 \$2.70 \$2.80 \$3.00

1-2 INCH DIAMETER BOLTS
Length, inch... 1 1/2 2 2 1/2 3 3 1/2 4 4 1/2 5 5 1/2
Price, per 100... \$2.43 \$2.60 \$2.68 \$2.95 \$3.12 \$3.30 \$3.48 \$3.65 \$3.73
Length, inch... 6 6 1/2 7 8 9 10 11 12
Price, per 100... \$4.00 \$4.18 \$4.35 \$4.70 \$5.05 \$5.40 \$5.76 \$6.10

## CARRIAGE BOLTS

4-A-7353. These have oval heads, square shoulders, perfect thread with forged nuts. Will sell 50 bolts at one-half 100 price.



1-4 inch diameter. 100 bolts in a package. (Always state size bolt wanted.)
Length, inch... 1 1/4 1 1/2 2 2 1/2 3 3 1/2 4
Price, per 100... 68c 68c 75c 81c 88c 95c \$1.02
Length, inch... 4 1/2 5 5 1/2 6 6 1/2 7 8
Price, per 100... \$1.08 \$1.15 \$1.21 \$1.29 \$1.43 \$1.50 \$1.65

5-16 Inch Diameter. 50 Bolts in a Package. (Be sure to state length wanted.)
Length, inch... 1 1/4 1 1/2 2 2 1/2 3 3 1/2 4
Price, per 100... 95c 95c \$1.02 \$1.10 \$1.18 \$1.26 \$1.35
Length, inch... 4 1/2 5 5 1/2 6 6 1/2 7 8
Price, per 100... \$1.43 \$1.50 \$1.59 \$1.67 \$1.86 \$1.95 \$2.10

3-8 Inch Diameter. 50 Bolts in a Package. (Be sure to state length wanted.)
Length, inch... 1 1/4 1 1/2 2 2 1/2 3 3 1/2 4
Price, per 100... \$1.29 \$1.29 \$1.40 \$1.50 \$1.60 \$1.70 \$1.80
Length, inch... 4 1/2 5 5 1/2 6 6 1/2 7 8
Price, per 100... \$1.92 \$2.04 \$2.15 \$2.25 \$2.50 \$2.60 \$2.85

1-2 Inch Diameter. 50 Bolts in a Package. (Be sure to state length wanted.)
Length, inch... 2 1/2 3 3 1/2 4 4 1/2 5
Price, per 100... \$2.33 \$2.54 \$2.70 \$2.91 \$3.14 \$3.30
Length, inch... 5 1/2 6 6 1/2 7 8
Price, per 100... \$3.53 \$3.70 \$3.93 \$4.11 \$4.30



## BLANK SQUARE NUTS

## 4-A-7361

IBot, Inches	No. in lbs.	Price Blank per lb.
1/4	74	17c
5-16	39	15c
3/8	21	12c
7-16	13	12c
1/2	12	11c
9-16	7	10c
5/8	6	10c
3/4	3	10c
7/8	2	9c
1	2	9c

## THREADED SQUARE NUTS

## 4-A-7363

Bolt, Inches	No. in lbs.	Price, Threaded per lb.
1/4	74	20c
5-16	39	18c
3/8	21	14c
7-16	13	14c
1/2	12	13c
9-16	7	13c
5/8	6	12c
3/4	3	11c
7/8	2	10c
1	1	10c



## WROUGHT IRON WASHERS

4-A-7359. These washers are made to easily fit the size or bolt given.

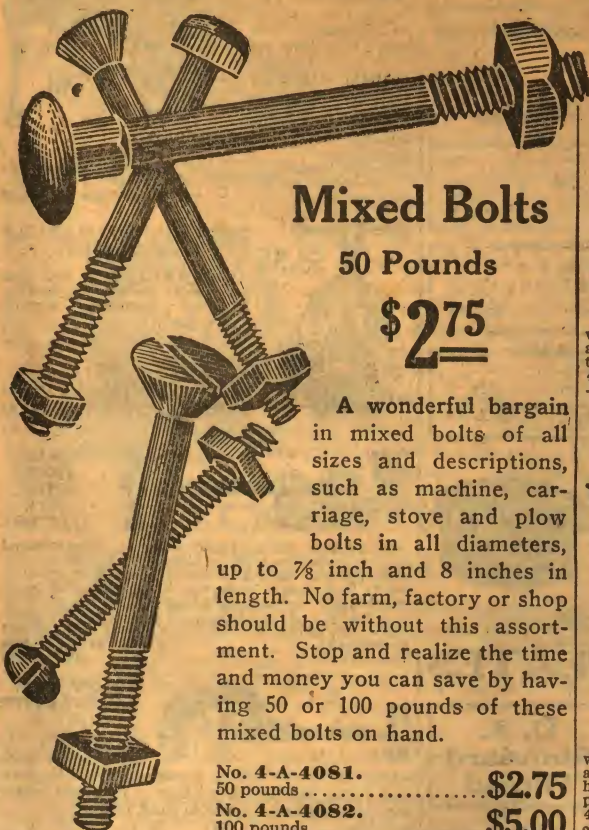
Bolt, ins.	No. in lb.	Per lb.
3-16	400	14c
1/4	139	12c
5-16	113	11c
3/8	68	9c
7-16	26	7c
1/2	13	7c
9-16	10	7c
5/8	9	7c
3/4	6	7c

## LAG SCREWS

We can furnish lag screws in all sizes at low prices. Send list of your requirements



# These Bargains Offer Big Economy!



## Mixed Bolts

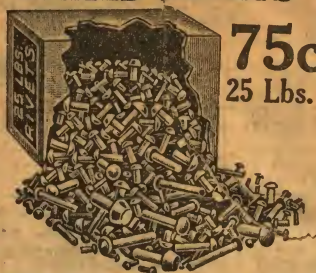
50 Pounds

**\$2<sup>75</sup>**

A wonderful bargain in mixed bolts of all sizes and descriptions, such as machine, carriage, stove and plow bolts in all diameters, up to  $\frac{7}{8}$  inch and 8 inches in length. No farm, factory or shop should be without this assortment. Stop and realize the time and money you can save by having 50 or 100 pounds of these mixed bolts on hand.

No. 4-A-4081. 50 pounds ..... **\$2.75**  
 No. 4-A-4082. 100 pounds ..... **\$5.00**

## MIXED RIVETS



**75c**  
25 Lbs.

Brand new mixed rivets, consisting of wagon makers', tinners', cornice plow round and flat heads. Ranging in size from  $\frac{1}{2}$  in. to  $\frac{1}{2}$  in. in length.  
 4-A-135 Per 25-lb. package..... **75c**

## MIXED TACKS

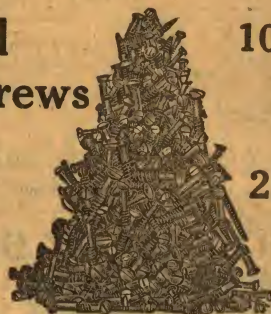


**53c**  
10 Lbs.

A special assortment of tacks, consisting of carpet, bill posters and upholsterers' trimmers' tacks, put up in 10-lb. pkg. An assortment to meet the needs of every household.  
 4-A-9900 10-pound package..... **53c**

## Mixed Wood Screws

*You  
Need Them  
Every Day!*



10 Pound Box

**50c**

25 Pound Box

**\$1<sup>00</sup>**

You will save more money on this handy assortment of wood screws than the low price we are asking for them. The assortment contains all bright new screws including round and flat heads from smallest sizes. All the screws constantly needed about the farm and home—always the right screw when you need it most. An excellent assortment for every purpose.  
 4-A-8042 10-lb. box..... **50c**  
 25-lb. box..... **\$1.00**

## 20 Assorted Coil Springs



Here is another assortment, a wonderful bargain containing 20 assorted coil springs made of the best tempered steel. They can be used for almost anything for your blinder, mowers, and other implements, for screen doors; in fact, wherever a coil spring is required. This assortment consists of 20 assorted expansion and compression springs ranging in diameter from  $\frac{1}{4}$  to  $\frac{3}{4}$ . Weight about 1  $\frac{1}{2}$  lbs.  
 4-A-8046. COMPLETE ASSORTMENT..... **55c**



## TESTED CABLE LOG CHAINS

Made of the best grade tested cable chain, fitted with hooks and swivels. Length 14 feet with grab hook on one end, large round hook on the other end, swivel in center. Size given is diameter of iron from which the links are made.

### 4-A-7147. Tested Steel Log Chains.

Size, Inches.....	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$
Weight, lbs.....	11	17	23	41	72
Price.....	\$1.80	\$2.40	\$3.00	\$4.40	\$6.60

## Cobbler Outfit

Complete

**\$1<sup>60</sup>**

### A Necessity in Every Home

Lot No. 4-A-200. Reversible iron stand; men's, boys', women's and child's lasts; hammer, knife, sewing awls, haws, needles, rivets, heel plates, leather and rubber cement, clamp, punch, soldering copper, solder, resin, tin thread and wax; bored; shipping weight 10 lbs. Price..... **\$1.60**



## Tested Cable Coil Chain

4-A-7031. Short, straight links, Made of high grade iron of great toughness and guaranteed full size.



Guaranteed to be strictly first class in every particular.

Size, Inch.....	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$
Approx. Wt. per ft. lbs.....	$\frac{1}{2}$	$\frac{3}{4}$	$1\frac{1}{4}$	$1\frac{3}{4}$	2	3	5
Per Foot.....	7c	10c	14c	18c	22c	26c	44c 56c

## Wrought Iron Chain Repair Links

4-A-7034. Used to replace broken links. Made full size of regular chain iron.

Size, inches.....	3-16
Price per dozen.....	3c

## Malleable Repair Links

4-A-7036. Can be applied without tools. These links combine simplicity and strength.

For Chain, inch.....	$\frac{3}{4}$	$\frac{5}{16}$
Size, inch.....	5	5
Per dozen.....	40c	45c 50c

## Round Chain Hooks

4-A-7045. Forged from the highest grade chain steel.

For chain, inches...	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$
Each.....	13c	17c	29c



## Grab Chain Hooks

4-A-7047. Carefully forged from the highest grade chain steel.

For chain, inches...	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{1}{2}$
Each.....	13c	25c	35c



## Utility Tool Set

**\$1<sup>50</sup>**

Handy Tools for  
All Work



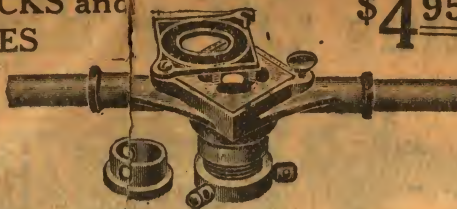
4-A-5963. Set consists of: 11 tools specially selected, forged from high grade tool steel properly tempered. Polished cocobola handle, improved nickel plated chuck. Each tool is nicely finished and guaranteed to give entire satisfaction.  
 Price..... **\$1.50**





## MALLEABLE PIPE STOCKS and SOLID STEEL DIES

In the manufacture of the dies it has been our aim to furnish a die of unusual cutting qualities. To do this it has been necessary to use a higher grade of steel than has heretofore been employed in the manufacture of pipe dies. We will guarantee that every die has a perfect clearance and will cut a clean thread. When cutting threads use plenty of oil. Lard oil is recommended for this purpose.



**\$4.95**

### 4-A-2801. Set No. 0

Pipe size of dies, regular set inches.....	1/2	3/4	1	1 1/4
Dimensions of dies, inches.....	2 1/2 x 3 1/2			
Price per set, complete with dies.....	<b>\$4.95</b>			

### 4-A-2802. Set No. 1

Pipe size of dies, regular set, inches 1/4 3/8 1/2 5/8 3/4 1	
Dimension of dies, inches.....	2 1/2 x 3 1/2
Price per set, complete with dies.....	<b>\$6.50</b>

### 4-A-2805. Set No. 2

Pipe size of dies, regular set, inches 1/4 1 1/2 2	
Dimension of dies, inches.....	4 x 4 1/2
Price per set, complete with dies.....	<b>\$8.95</b>

### 4-A-2803. Set No. 1 1/4

Pipe size of dies, regular set, inches 3/4 1 1 1/4	
Dimension of dies, inches.....	3 x 3 1/4
Price per set, complete with dies.....	<b>\$5.90</b>

### 4-A-2806. Set No. 3

Pipe size of dies, regular set, inches.....	2 1/2 3
Dimension of dies, inches.....	5 x 5 1/4
Price per set, complete with dies.....	<b>\$21.65</b>

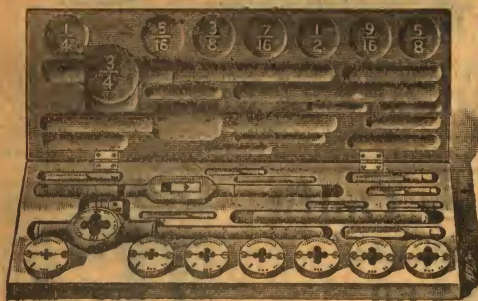
### EXTRA DIES AND GUIDES.

4-A-2808. These can be furnished either right or left hand thread. In ordering be sure and state which. Unless otherwise specified dies with right hand threads will be shipped.

Dimension of Dies, inches	Pipe Size of Dies	Price of Dies	Price of Guides
2 x 2	1/2, 3/4, 1, 1 1/4, 1 1/2, 2	\$0.87	\$0.17
2 1/2 x 2 1/2	1/2, 3/4, 1, 1 1/4, 1 1/2, 2	.99	.23
3 x 3	1/2, 3/4, 1, 1 1/4, 1 1/2, 2	1.25	.35
4 x 4	1/2, 3/4, 1, 1 1/4, 1 1/2, 2	1.56	.43
5 x 5	1 1/4, 1 1/2, 2, 3	5.55	1.20



## CHAMPION EASY SCREW PLATES



**\$12.95**

**U. S.  
Standard  
Thread**

Champion easy screw plates make a perfect screw with a single cut. Adjustable dies with taper head screw and taper nut making them rigid and solid. The finest workmanship and material. All dies and taps made of special tool steel perfectly tempered. Come to you in neat wood box with taper taps. Complete with Champion adjustable tap wrench with square socket to fit shank of each tap in set. Holds tap firmly and always in center.

No. 4-A-627. Cuts 5 sizes as follows: 1/4-20, 5/16-18, 3/8-16, 1/2-14, 3/4-11, 1-8, U. S. standard threads. Length of stock, 16 in., weight 7 1/4 lbs., price set.....**\$12.95**

No. 4-A-628. Cuts 6 sizes as follows: 1/4-20, 5/16-18, 3/8-16, 1/2-14, 3/4-11, 1-8, U. S. standard threads. Length of stock 16 in., weight 8 lbs., price per set.....**\$13.95**

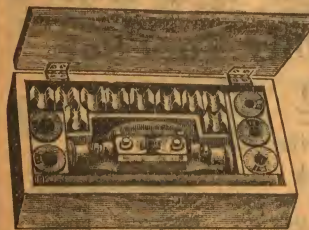
No. 4-A-631. Cuts 9 sizes as follows: 1/4-20, 5/16-18, 3/8-16, 1/2-14, 3/4-11, 1-8, 1 1/4-8, 1 1/2-7, U. S. standard threads. Has two stocks one 16 in. and one 29 in. long. Weight 19 lbs., price per set.....**\$28.80**

### AUTO AND REPAIR SHOP SCREW PLATE COMBINATION

No. 4-A-632. Consists of 16 dies and taps cutting both standard U. S. threads and S. A. E. auto standard threads. U. S. standard threads 5 sizes: 1/4-20, 5/16-18, 3/8-16, 1/2-14, 3/4-11. 5 sizes S. A. E.: 1/4-28, 5/16-24, 3/8-24, 1/2-20, 3/4-18. One 15 1/2 in. stock and adjustable tap wrench. Hardwood box with taps. Weight 10 1/2 lbs. complete.....**\$16.75**

No. 4-A-634. Combination consists of 16 dies cutting—1/4-20, 5/16-18, 3/8-16, 1/2-14, 3/4-11, 1-8, 1 1/4-8, 1 1/2-7, U. S. standard and 1/4-28, 5/16-24, 3/8-24, 1/2-20, 3/4-18, 1-16, S. A. E. Price per set.....**\$31.95**

## ARMSTRONG PATTERN ADJUSTABLE STOCK and DIES for THREADING PIPE



The dies are standard in size and are easily adjusted to the variations and size of pipe. The taper at the entrance of the first few threads is greater than the standard taper, thus forcing six of the teeth of the die to do the work of the cutting instead of two or three as in the ordinary die. This causes them to start on the pipe very easily, even though it is burred considerably. Each set is finely finished and packed in a hardwood box.



4-A-2823. Set No. 2. Size of dies, inches, 1/4, 3/8, 1/2, 3/4, 1. Weight per set, 15 lbs. Price complete.....**\$7.45**  
Extra pipe dies from 1/4 to 1" each size.....**1.25**

4-A-2824. Set No. 2 1/4. Dies in this set are double-ended. Sizes 1/2 x 1/4 and 1 x 1/4. Weight of set 20 lbs. Price, complete.....**\$8.65**  
Extra dies, each size.....**1.55**

4-A-2825. Set No. 3. Size of dies, inches, 1 1/4, 1 1/2, 2. Weight per set, 35 lbs. Price complete.....**\$11.15**  
Extra pipe dies from 1 1/4 to 2" each size.....**2.75**

4-A-2826. Set No. 6. Dies in this set are double ended. Sizes 2 1/2 x 3. Weight per set, 72 lbs. Price, complete.....**\$27.85**

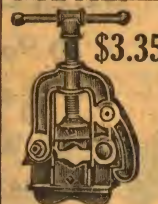
## SMITH'S COMBINATION PIPE VISES.



6-A-2839. Can be used as a swivel or stationary bottom. Pipe jaws are reversible. Vise can be used either for pipe or as a parallel machinists' vise.

**\$12.00**

Size No.....	1	2	3
Weight, lbs.....	45	70	105
Capacity, inches.....	1/2 to 2	1/2 to 3	1/2 to 4
Width of jaw, inches.....	3 1/4	4	4 1/4
Price, each.....	<b>\$12.00</b>	<b>\$16.50</b>	<b>\$24.00</b>



### OPEN HINGE MALLEABLE PIPE VISES

**\$3.35**

4-A-2841. Made with steel jaws which are interchangeable. Vise is self-locking, heavily constructed. The jaws and every part of vise are fully guaranteed.

Size No.....	1	2	3
Cap., in. 1/2 to 2 1/2 3/4 to 3 1/2 to 4 1/2			
Price, each \$3.35 \$5.00 \$7.40			



### BARNES' THREE WHEEL PIPE CUTTERS

4-A-2843. Made of malleable iron. Steel pins and cutting wheels are made of highest grade crucible steel, oil tempered. This style cutter is especially suited to use in that class of work where it is impossible to remove cutter entirely around pipe.

Size No.....	1	2	3
Cuts pipe, inches.....	1/2 to 1 1/2 to 2 1/2 to 3		
Price, each.....	<b>\$2.28</b>	<b>\$3.05</b>	<b>\$5.00</b>
Extra wheels.....	.12	.15	.20



### SAUNDERS' PATTERN PIPE CUTTER

4-A-2845. Is suitable for work where the cutter can be revolved around the pipe and leave practically no burr. Pins and cutter wheels are made of crucible steel, tempered.

Size No.....	1	2	3	4
Cuts pipe, inches.....	1/2 to 1 1/2 to 2 1/2 to 3 1/2 to 4			
Price, each.....	<b>\$1.85</b>	<b>\$2.75</b>	<b>\$6.80</b>	<b>\$11.00</b>
Extra wheels.....	.14	.19	.36	.38



### TRIMO PIPE WRENCHES

4-A-2847. Drop forged from bar steel, removable jaw and nut. Are made with round top and bottom, threads guaranteed not to strip or burr. All the parts are interchangeable and can be renewed at small expense.

Lath Takes Pipe	Price	Lath Takes Pipe	Price
In.	Each	In.	Each
6..... 1/2 to 1 1/2	\$1.90	13..... 1/2 to 2 1/2	\$2.25
8..... 1/2 to 1 1/2	1.02	24..... 1/2 to 3 1/2	3.25
10..... 1/2 to 1 1/2	1.12	38..... 1/2 to 3 1/2	6.00
14..... 1/2 to 1 1/2	1.58	48..... 1 to 5	9.00

### HARRIS REVERSIBLE CHAIN WRENCH WITH CABLE CHAIN—Steel Handle



Length, inches.....	.64 1/2
Capacity, inches.....	2 to 12
Price, each.....	<b>\$6.84</b>



### STILSON PIPE WRENCHES

4-A-2833. Drop forged. All parts interchangeable.

Lgth.	Takes Pipe	Each
In.	In.	In.
6 in.....	1/2 to 1 1/2	\$0.85
8 in.....	1/2 to 1 1/2	.95
10 in.....	1/2 to 1 1/2	1.10
14 in.....	1/2 to 1 1/2	1.50
18 in.....	1/2 to 1 1/2	2.20
24 in.....	1/2 to 1 1/2	3.15

### PIPE TAPS AND REAMERS

Made of high grade tool steel, each tool fully guaranteed.

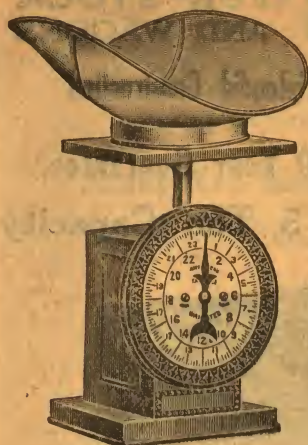
4-A-2831. Pipe-Tap.	4-A-2832. Pipe Reamer.
1/2 In..... \$0.50	1 In..... \$2.05
3/8 In..... .60	1 1/4 In..... 2.85
1/4 In..... .80	1 1/2 In..... 3.75
1/2 In..... 1.00	2 In..... 5.70
3/4 In..... 1.35	



# SCALES FOR GENERAL FAMILY USE

## 24 lb. Capacity Vertical Dial

**\$2<sup>05</sup>**



A strictly high grade scale for family use. Guaranteed to weigh accurately. The body is made of cold rolled steel, nicely nickel-plated and enameled. Springs are made of high grade tempered steel. Equipped with tension screw for perfect regulating and balance. White enameled dial with graduations plainly marked. Capacity 24 pounds, by ounces. Shipping weight, 6 pounds.

4-A-10035. Price without scoop.....**\$2.05**

4-A-10037. Price with tin scoop.....**\$2.45**

## 60 lb. Capacity

**Double Platform Supports**



This splendid scale embodies every desired feature of workmanship and material. Guaranteed to weigh accurately. The

body is made of heavy cold rolled steel, handsomely enameled and finished. The graduations are plainly marked and easily read. The double platform support is a desirable feature; this distributes the weight evenly and assists the scale in maintaining accurate weight. The platform is 7 1/2 inches square. Capacity of scale, 60 lbs., by ounces. Shipping weight, 10 pounds.

4-A-10017. Price, without scoop.....**\$4.15**

4-A-10019. Price, with heavy tin scoop.....**\$5.95**

## 24 lb. Capacity

**Angle Dial**

**\$2<sup>10</sup>**



4-A-10001. A well made, dependable scale of unusual value for general family use. Body made of cold rolled steel. Nicely enameled. White enameled dial, slants on angle of 45 degrees, can be easily read at a glance. Capacity 24 pounds, by ounces. Shipping weight 5 pounds.

Each.....**\$2.10**

## BLACKSMITHS' AND MACHINISTS' TOOLS

### Blacksmith Plug and Taper



4-A-7121. Right Hand Taper Tap. 4-A-7125. Right Hand Plug Tap. Made of best grade tool steel. Each tap fully warranted. Always mention number, size and number of threads when ordering.

Size, 1/4 inch, right hand, 30 or 32 thread to inch. Price.....	22c
Size, 1/2 inch, right hand, 24 or 26 thread to inch. Price.....	24c
Size, 3/4 inch, right hand, 18-20-22-24 or 26 threads to inch. Price.....	30c
Size, 1 inch, right hand, 16-18-20 or 22 threads to inch. Price.....	33c
Size, 1 1/4 inch, right hand, 12-14-16 or 18 threads to inch. Price.....	37c
Size, 1 1/2 inch, right hand, 12-14-16 or 18 threads to inch. Price.....	42c
Size, 1 3/4 inch, right hand, 12-14-16 or 18 threads to inch. Price.....	46c
Size, 2 inch, right hand, 10-12 or 14 threads to inch. Price.....	50c
Size, 2 1/4 inch, right hand, 10-11-12 or 14 threads to inch. Price.....	55c
Size, 2 1/2 inch, right hand, 8-9-10 or 12 threads to inch. Price.....	72c
Size, 2 3/4 inch, right hand, 8-9 or 10 threads to inch. Price.....	83c

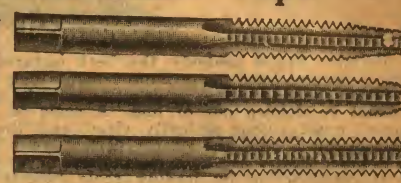
### Machinists' Hand Taps

Size up to 1 1/2 inch. Shanks are full size of threads. Taps 1/2 inch and larger, shanks same size as bottom of thread. All taps are exact size to standard "V" thread.

4-A-7138. Taper taps.

4-A-7135. Plug taps.

4-A-7137. Bottom taps.



Diam. Inch	Number of Threads	Price, Each	Price, Set of Three	Diam. Inch	Number of Threads	Price, Each	Price, Set of Three
3/8	24	17c	\$0.50	5/8	11	54c	\$1.62
1/2	20	23c	.69	1 1/8	11	63c	1.89
5/8	18	30c	.90	1 1/4	10	73c	2.16
3/4	16	33c	.99	1 1/2	10	84c	2.52
7/8	14	36c	1.08	1 3/4	9	96c	2.88
1	12	42c	1.26	2	9	\$1.08	3.24
1 1/8	12	45c	1.35	2 1/4	8	1.20	3.60

### Reamers for Wood or Iron



4-A-7131. Made of high grade tool steel, properly tempered. Used to enlarge holes where punching and drilling are not quite perfect. To be used in bit brace.

Size, inches.....	3/8	1/2	5/8	3/4	7/8	1
Price.....	56c	65c	75c	84c	97c	\$1.12

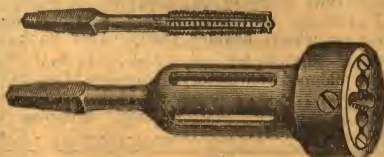
### Adjustable Tap and Reamer Wrench



4-A-7129. Strong and durable. Nicely finished. Guaranteed to hold taps and reamers tight.

Length, inches.....	11	16	21
Holds Taps.....	1/4 to 1/2	1/2 to 3/4	3/4 to 1
Price.....	\$3.50	\$4.00	\$5.00

### Taps—Dies—Holders



Either Tap or Die will work in an ordinary Bit Brace, used largely for tapping Nuts and Threading Bolts. Making perfect threads at a single cut.

Size, inches.....	3/8	1/2	5/8	3/4	7/8	1
4-A-7139. Die, tap, holder, com....	\$2.85	\$2.85	\$2.85	\$3.35	\$3.50	
4-A-7141 Die only.....	1.50	1.50	1.50	1.75	1.95	
4-A-7143. Tap only.....	.75	.75	.80	.80	1.05	
4-A-7145. Holders, separately, any size, each.....					.80c	

Unless otherwise ordered, we will send these taps and dies 1/2-inch over size V thread.

### Bells for Farm and Ranch



Styles 1-2-3

A bell is a necessity on a farm. For with it an alarm can be sounded and distinctly heard for a great distance. These bells are made of a crystal composition. They have a clear tone and are best bells for factory or farm manufacture.



Style 4

### Thirty Days' Free Trial

4-A-10209. Styles, 1, 2, 3 and 4.

Should any bell we send you prove unsatisfactory after you have given it a careful test and trial for thirty days, send it back and we will return the full purchase price, together with any transportation charges you have paid.

Size No.....	1	2	3	4
Approximate Diameter.....	15	17	19	21
Approximate Weight.....	40	50	75	100
Price, complete, F. O. B. Chicago.....	\$3.35	\$4.10	\$5.60	\$7.70



# PREMIER STEEL SCALES

## STEEL FRAME PITLESS SCALES FOR STOCK AND WAGONS

Ball Bearing  
And  
Absolutely Accurate

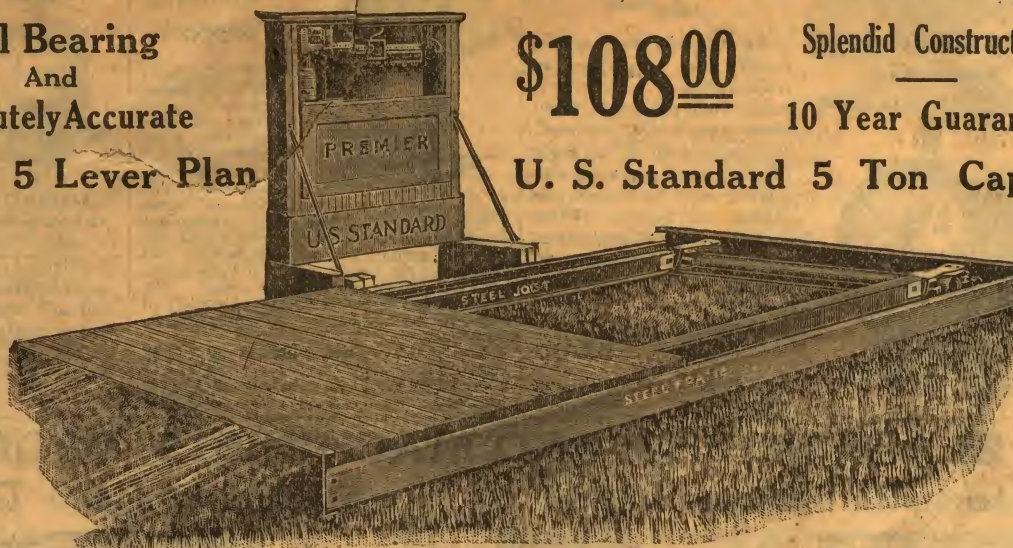
Built on 5 Lever Plan

**\$108<sup>00</sup>**

Splendid Construction

10 Year Guarantee

U. S. Standard 5 Ton Capacity



Premier Scales embody the best features known in scale construction and have many improvements over other pitless scales.

Every bearing rests in an independent, self-adjusting seat, and cannot be thrown out of line. A scale to weigh correctly at all times must swing perfectly clear, and the nearer you come to preventing a bind the nearer perfect your scale will weigh.

Premier Scales are built on the five lever plan, recognized as the best construction by leading scale experts. There are two pipe levers, one at each end of the scale and two arm levers. The two arm levers carry the weight to cross lever, and this lever takes the weight to beam.

The Cross lever rests in an independent stand on a small foundation and this lever is absolutely independent. All levers are stationary and the jar of a load going on the scale or the vibration of the platform will not move them a particle. This means a true bearing at all times and you can be assured correct weights. This cannot be said of scales where the levers swing with the platform and every vibration and jar of the platform directly affects the levers.

A good many Pitless Scales use a cross lever having the main bearing attached to the steel joist. Where this is the case every motion of the platform moves the cross lever, and this form of construction is a source of annoyance, for the motion of the platform tends to throw the lever from a true bearing, and as soon as any lever in a scale is off a true bearing the scales will weigh incorrectly.

**THE BALL-BEARING** feature is the crowning one of this scale. It is well known that a scale with ball bearings will wear much longer than one without, and it will remain sensitive and accurate long after the old style needs repairs. No matter how much the corner settles, within a reasonable amount, the ball bearings are



LATEST COMPOUND FULL CAPACITY BEAM  
WITH TARE BAR AND  
ROLLER BEARING POISE

bound to remain in the center of the cups, since it is impossible for them to rest on the sides of the cups. Therefore the plat-

form will not bind if the corner settles, but the ball bearings will always roll to center, and stay there.

**INTERCHANGEABLE PARTS.** All parts of our scale are made standard, and are interchangeable—an advantage not fully appreciated until something happens, and you are obliged to send your whole scale to a shop to have one part adjusted, as is the case with most other scales on the market. It is not so with the "PREMIER." We can ship you any part and you can put it in yourself and the scale will weigh perfectly. The construction throughout is so simple, and there are so few parts to get out of order. **PORTABILITY**—It is often necessary to move a scale, consequently we have paid particular attention to this feature.

**THE BEAM.** We use only one style beam. We believe it to be the most perfect yet devised—the latest compound full capacity beam, with tare-bar and roller bearing poise. It is made of iron, brass faced, with cast steel spring latch. The upper, or main, bar is notched and graduated in 200-pound notches, up to 10,000 lbs. The small bar is graduated in 2½ lbs., up to 200 lbs. The tare-bar is of solid brass, and has round sliding poise, with thumb screw to secure it, also of brass. It is graduated in 5 lbs., up to 2000 lbs. No loose weight to contend with. Your whole weighing outfit is right on the beam front of you.

**DEPTH OF FRAME.** Note especially this feature, the frame, over all, is only eight inches high. This is a particularly strong point, as all pitless scales rest on top of ground; and the lower the frame, the easier it is to drive onto it with a loaded wagon.

**ADVANTAGES.** With a pitless scale you are saved the many annoying and expensive features of the Pit Scale—such as digging and walling the pit; the services of a carpenter to build the frame work; renewing broken and rotten timbers; removing platform to clear out the trash and dirt that constantly accumulates, etc.

**OUR GUARANTEE** for 10 years is made in compliance with laws governing weights and measures and will pass inspection anywhere. They meet all requirements of recently enacted laws in the various states. We guarantee that inspectors will approve them. You are thus assured of durable, accurate scales, with hardened steel bearings, tool steel pivots, platform easily movable and not binding on frame, besides many other improvements.

Capacity, 5 tons. Size of platform, 8 feet by 14 feet. Shipping weight about 1400 pounds. Shipped from factory in Illinois or Missouri.

**4-A-9810.** Each.....**\$108.00**

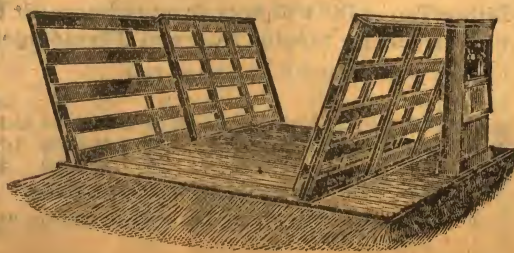
**4-A-9811.** 10-ton capacity. Platform 8x22. Shipping weight, 2600 pounds.....**\$233.00**

## Folding Stock-Rack Irons

With these Irons a most substantial rack can be built upon any wagon-scale platform; and it is no more expensive than the old-style. Rack can be folded back, like shown in cut, requiring less than five minutes' time. As rack is balanced on platform, it does not affect the accuracy of weight. We furnish all the irons to build the rack, with full directions, and specifications for lumber required. We do not furnish any bolts or lumber. About 200 feet of lumber is required. Weight 30 pounds.

**4-A-9812.** (Irons only), for building rack, 8x14x5 feet.

Price.....**\$4.50**



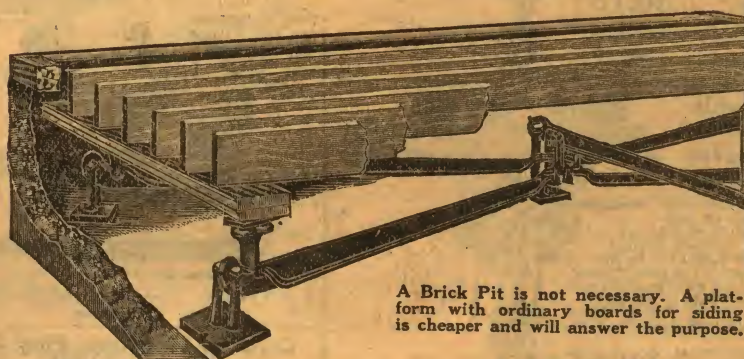


# GUARANTEED CONSTRUCTION PREMIER PIT SCALES

Brick Foundation Not Necessary

Accurate Weight Means Real Savings  
Guaranteed To Be Accurate

Strong Well Made Beam Box  
5 and 10 Ton Capacity **\$65<sup>00</sup>**



A Brick Pit is not necessary. A platform with ordinary boards for siding is cheaper and will answer the purpose.

The principle of this Scale is absolutely correct. Each lever upon which the platform rests conveys the weight that is put on it to the beam, independently of the other levers. By referring to illustration you will note that the four principal levers on which the platform rests are hung between an iron stand at the outer end and a loose shackle at the center; each lever being perfectly free to move by itself, and the weight is transmitted to the beam through the fifth lever, which has no other function. The large illustration shows this scale just as you would set it in a pit. It shows the iron stand resting on the mud sills, which may be of solid timber, or any 2-inch built-up material as shown. The floor or platform is 8 feet wide and 14 feet long. The Beam Rod goes up to beam from end of lever. Scale has five levers of the best quality of cast iron and is made heavy and strong.

It also has the valuable Ball Bearing feature. In fact, we manufactured and sold thousands of these scales before pitless scales were thought of, and while we now recommend the pitless scale wherever it can be used, there are some places and conditions where the pit scale is better adapted; for instance, where the scale must be set level with the surface, or where there is not room to build the approaches.

Our Brass Compound Beam with Roller Bearing Poise enables you to weigh quickly and accurately, and you have no loose weights to bother with.

Timber required for 5-ton scale. Any timbers that are more than two inches thick can be made by spiking two inch stuff together. Bearing planks, two pieces 4x8-7½ feet long. Joists, six pieces, 2x8-14 feet long. Floor, fourteen pieces, 2x12-8 feet long. Copping, sides two pieces, 6x6-15 feet long. The coping must be mortised at the corners, and they should be square, the opening to be 8x14 feet. The levers do their own measuring—all that is necessary is to get the mud sill under the stand; it does not matter if scale is set square or diamond shaped—it weighs just the same. No other scale made has this flexibility.

**4-A-9905.** 5-ton capacity Premier Pit Scale. Platform, 8x14. Weight, 525 lbs. Shipped from Illinois or Missouri. **\$65.00**

**4-A-9910.** 10-ton capacity Premier Pit Scale. Platform, 8x22. Weight, 1000 lbs. Shipped from Illinois or Missouri. **\$130.00**

Timbers or planks for this scale are not included.

## HIGH GRADE PLATFORM SCALES

ADJUSTED AND SEALED TO U. S. STANDARD WEIGHTS



PREMIER PORTABLE  
WEIGHTLESS SCALES

**\$25<sup>20</sup>**

Accurate Balancing  
Ball Easily Operated

Premier Portable Weightless Scales are built to withstand the wear and tear of heavy weighing. No loose weights to get lost, as the full capacity of the scale is shown on the brass beam.

The weighing beam is of brass, consisting of two bars, the upper bar with small sliding poise is graduated in half pounds marks up to 100 pounds, lower bar with large poise is notched and graduated in 100 pound marks to the balance of the capacity of the scale.

Accurately sealed to United States Standard Weights. Finely finished and fully guaranteed.

We specially recommend this scale for store and factory requirements.

**4-A-9926.** With Double Beam

Cap. Lbs.	Size of Plat-form, Inches	Ship-ping Weight	Price
600	16x22½	150	<b>\$25.20</b>
800	17x23	160	<b>28.00</b>
1000	18x25	170	<b>30.75</b>
1200	18x27	180	<b>35.00</b>

PREMIER SINGLE BEAM  
PLATFORM SCALES **\$21<sup>00</sup>**

THE BEST Scale at a medium price that money will buy from any house.

Every Farmer should have a portable scale, as it will save cost many times during the year, especially at the price we offer it. We are able to quote this extremely low price because of the quantity we use. We know that when you see it you will agree with us as to its great value.

They are built with steel pivots, carefully hardened and finished. Platform rests on adjustable chilled bearings, which take all the wear off the steel pivots, and as pivots remain sharp, the scales are always quick and sensitive.

It is made of very best material and workmanship throughout, neatly finished, strong and accurate.

Solid brass weighing beam, graduated in ½ pounds, with brass sliding poise.

Shipped promptly from warehouse stock near Chicago, and guarantee perfect satisfaction or refund your money.

Made in the following sizes:

**4-Z-9922.** With Single Beam

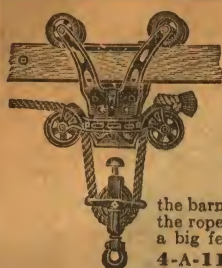
Capacity, Lbs.	Size of Platform, In.	Shipping Weight	Price
600	16x21	140	<b>\$21.00</b>
800	17x23	150	<b>24.50</b>
1000	18x25	160	<b>26.60</b>
1200	18x27	165	<b>30.80</b>



Premier Scales are carefully prepared for shipment so that they will arrive in perfect working order. They are shipped to you for quick service, direct from our factory in Illinois or Missouri.



# Best Made Hay Carrier Tools



## Double Swivel Hay Carriers With Improved Locking Device.

Has but two pieces, which makes it an absolutely positive lock. No springs or unnecessary parts to get out of order. Will work either way, by changing pulley from one end of the barn to the other, making it unnecessary to untie the ropes from other pulleys. This simple method is a big feature not generally found in other carriers.

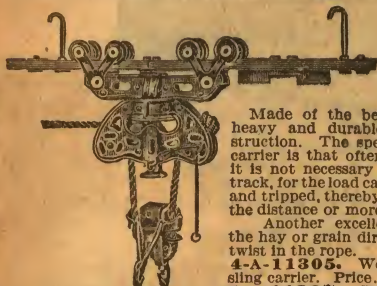
4-A-11301. Wood track double swivel Hay Carrier complete with stop and fork pulley.

Price.....\$6.15

4-A-11303. Steel track double swivel Hay Carrier complete with stop and fork pulley. Price.....\$6.20



## Double Swivel Sling Hay Carrier



Made of the best malleable iron, heavy and durable, simple in construction. The special feature of this swivel carrier is that often when the barn is empty it is not necessary to raise a load up to the track, for the load can be raised to any point desired, and tripped, thereby saving not only time but half the distance or more for the horses to travel.

Another excellent feature is that it draws the hay or grain direct as the load stands, with no twist in the rope.

4-A-11305. Wood track swivel sling carrier. Price.....\$10.85

4-A-11307. Steel track swivel sling carrier. Price.....\$10.90

Price.....\$10.90

## SNATCH PULLEY BLOCK

4-A-11309. To shorten travel of horse without reducing the power. Horse travels only half the distance hay is carried. Frame is made of malleable iron with iron sheave. For use with manila rope only. Price, each.....90c

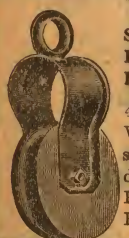


## Iron Yoke Hay Fork Pulley

4-A-11311. With loose hollow pin, hard maple sheave, 6 inch. Price, each.....15c

## WOOD FRAME HAY FORK PULLEY (Self Oiling)

4-A-11313. Frame and sheave are made of the best hard maple, fitted with wrought iron yoke, malleable iron eye and swivel springs—the most durable hay fork pulley manufactured. Price, each.....20c



## STEEL YOKE KNOT-PASSING PULLEY.

4-A-11315. With maple sheave, 6 inch diameter. Price, Each.....45c

## FLOOR HOOKS.

4-A-11325. Used to screw to floor to hold pulleys. Diameter, 3/4 inch. Price, each.....12c



## STEEL TRACK HANGING HOOKS.

4-A-11321. For double steel angle track. Price, each.....14c



## WOOD TRACK HANGING HOOKS.

4-A-11323. 14 inches along the bend. Price, each.....14c

## Self-Locking Sling Pulley



4-A-11333. Can be used in connection with our Double Swivel Hay Carrier. The simplest and strongest sling pulley ever offered. It has no springs, and regardless of how large or how small the load of hay is in the wagon sling it will lock at any place.

When the knob of the Sling Pulley enters the Hay Carrier, the entire weight of hay is on this knob and throws the lock against the rope between the two pulleys and when the load is dumped and Hay Carrier is returned and strikes the stop block, the knob drops, the sling pulley is unlocked and is ready for another load. Price.....\$2.70



## ROPE HITCH WITH SWIVEL HOOK.

4-A-11317. Malleable iron. Will take rope up to 1 in. Each.....24c



## JOINED HANGING HOOKS.

4-A-11327. Used for hanging wood track to beams without using rafter brackets. Price, each.....15c

## Galvanized Hay Carrier Cable



2-A-11353. 1/2 inch diameter, composed of 7 wires. Price, per foot.....5c

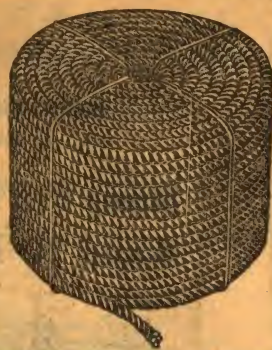
2-A-11355. Clamps for cable Hay carriers. Price, each.....30c

2-A-11357. Collars for cable Hay carriers. Price, each.....22c

## Pure Manila New Rope

### 2-A-11617.

Made of selected long pure Manila fiber. The 3/4 inch is used for the Trip and the 1/2 inch is generally used for the Carrier, although in connection with our outfit either the 3/4 inch or the 1 inch rope can be used.



Size Inches	Price Per 100 ft.	Size Inches	Price Per 100 ft.
1/2	\$0.40	3/4	\$4.65
3/4	.90	1	5.50
1	1.50	1 1/4	7.50
1 1/4	2.60	1 1/2	8.70
1 1/2	3.40	1 3/4	12.70

## Single Harpoon Hay Fork



1-A-11335. Regulation size, made of best materials. Price, each.....\$2.45

## Double Harpoon Hay Forks

4-A-11337. Short time double Harpoon Hay Fork, 25 inch time, 16 inches between points. Made of best quality material. Price, each.....\$2.10

4-A-11339. Long time, Double Harpoon Hay Fork, tines 30 inches long, 16 inches between points. Price, each.....\$2.35

4-A-11341. Double Harpoon Hay Fork, 34 inch tines, 22 inches between points. Designed for handling alfalfa and straw. Can be used, however, for handling any kind of hay. Price, each.....\$3.60

Price, each.....\$3.60

## Hay Grapple Forks

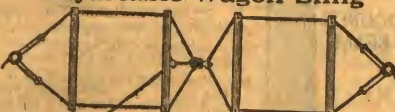
The best and strongest Grapple Forks manufactured.

4-A-11343. 4 tine Grapple Fork for regular work. Price, each.....\$7.00

4-A-11345. 6 tine Grapple Fork for short hay, loose straw. Price, each.....\$8.85



## Adjustable Wagon Sling



Made for an 18 foot wagon rack. They can be made shorter for any size wagon by drawing the ropes through the wood bars and tying another knot on each side of wood bars. There is a center trip on all slings and they are fitted with the best and simplest lock.

An outfit generally consists of one sling pulley and three wagon slings, so as to take off an entire load in three lots. The trip rope is of proper length, permitting the sling to be easily tripped. Sling pulleys or sling carriers must be used with wagon slings.

4-A-11347. Length, 4 foot. Price, each.....\$3.85

4-A-11349. Length, 5 foot. Price, each.....4.35

4-A-11351. Length, 6 foot. Price, each.....4.55

## Rafter Brackets

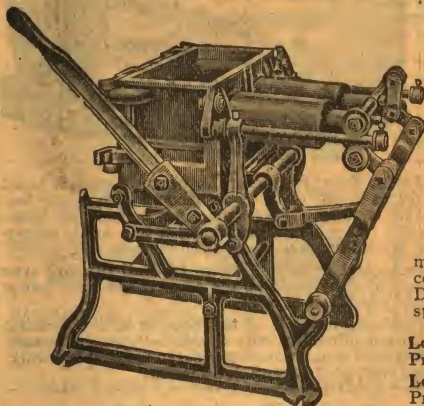
4-A-11329. For Hay carrier track. Price, each.....5c





# X-L-All Senior Cement Block Machine

The fastest machine on the market and extremely simple in construction and operation, as you will note from the illustrations, having absolutely no complicated parts to get out of order. Each machine is made in a thorough workmanlike manner with best gray iron castings; all parts are machine finished and made interchangeable.



## Complete List of Parts Furnished

- |  |                                   |
|--|-----------------------------------|
| 1 Plain Face Plate for making whole blocks.                    | 1 Steel Striker.                  |
| 1 Plain Face Plate for making one-half and one-quarter blocks. | 1 Sample Wood Pallet.             |
| 1 Rock Face Plate for making whole blocks.                     | 2 Core Plugs.                     |
| 1 Rock Face Plate for making one-half and one-quarter blocks.  | 1 Right Hand Core End Door.       |
| 1 Left Hand Rock Face End Door.                                | 1 Left Hand Core End Door.        |
| 1 Left Hand Plain Face End Door.                               | 2 Pallet Plugs.                   |
| 1 Double End Taper.  | 1 Sample Iron Pallet.             |
| 2 Dividing Plates for 1/2 and 1/4 size blocks.                 | 1 Steel Plate for inside corners. |
| 1 Graduating Bar.  | 1 Steel Carrier.                  |
| 1 Steel Plate for making Gable Blocks.                         | 2 Joist Block Attachments.        |
|  | Face Plates to make 1/4 blocks.   |



Our Concrete Block Outfits are more complete than furnished with any other similar type of machine. With this outfit you can make a full block, one-half and one-quarter blocks, return corner blocks, also round corner window blocks and joist blocks in both Rock and Plain Face Design. We give you your choice of any 2 styles of faces that you desire, but unless otherwise specified, we always furnish THE X-L-ALL MACHINE with a plain and rock face.

Lot No. 4-A-1218. 8x8x16 machine complete as above, weight 450 lbs.

**\$95.00**

Price.....

Lot No. 4-A-1220. 8x10x16 machine complete as above, weight 430 lbs.

**105.00**

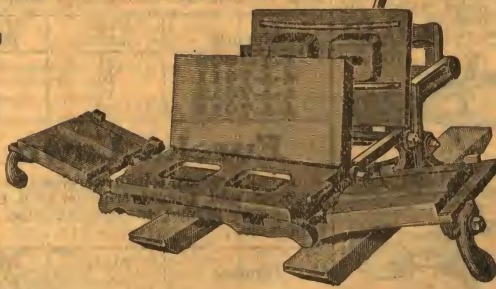
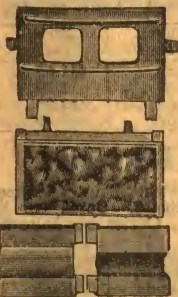
Price.....

The X-L-All Machine is designed for the use of either iron or wood pallets. We recommend iron pallets; they cost but very little, if any more than the wood pallets properly made. More blocks are lost by the use of poorly made wood pallets than the value represented by a full set of iron pallets. Iron pallets do not warp, and are practically indestructible. We furnish 1 each sample iron and wood pallet with each X-L-ALL BLOCK MACHINE.

If you want to make 8x8x16 inch and 8x10x16 inch blocks, it is not necessary to purchase two complete outfits. All that is necessary for you to order is one extra mold box outfit, which is described and illustrated on this page. You will thus have equipment for both size blocks at but a small additional investment.

Machine and parts are shipped direct from factory, near Chicago.

Always State  
Radius and Size  
of Face Plate



## X-L-All Silo Block Making Attachment

You Will Save Cost of Machine on One Silo.

The illustration at the left is our Junior X-L-ALL Silo Machine attachment with mold box open. Note the curved face plates with beveled ends so as to make tongue and groove block so as to accommodate 6, 8, 10 and 12-foot radius, making a perfect close and lock joint. Also note half round in back plate, which leaves a concave in finished block to receive the reinforcement wire. Note the lock joint and groove for wire.

You can make silo 12 ft. in diameter, 16 ft. in diameter, 20 ft. in diameter, and 24 ft. in diameter, and any height you may desire.

Silo block attachment that we can furnish for X-L-ALL Senior machine. Not found in any other make of machine but the X-L-ALL.

Lot No. 4-A-1254. Size 8x8x16. Weight, 70 lbs.

**\$21.00**

Price.....

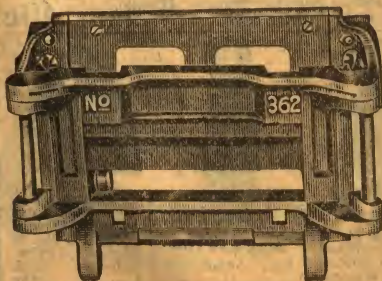
Lot No. 4-A-1256. Size 8x10x16. Weight 90 lbs.

**22.00**

Price..... Always state radius and style of face plates wanted, whether rock or plain.

## Mold Box and Mold Box Outfit

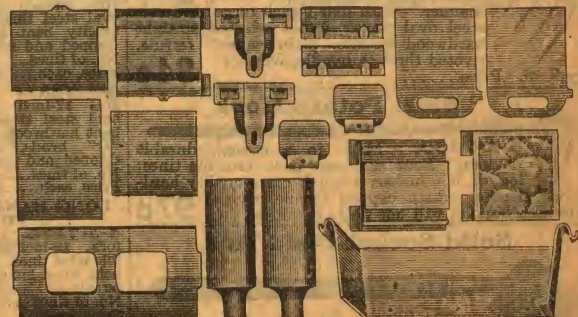
**\$42.00**



The above illustration shows the mold box we furnish with this mold box outfit.

The Outfit Includes:

- |                   |  |
|-------------------|--|
| 1 Mold Box.       | 2 Dividing Plates.                         |
| 1 Iron Pallet.    | 2 Core Hole Plugs.                         |
| 2 Cores.          | 2 Pallet Plugs.                            |
| 1 Rock End Door.  | 2 Joist Attachments.                       |
| 1 Plain End Door. | 1 Piece of Steel for Gable Blocks.         |
| 2 Core End Doors. | 1 Piece of Steel for Inside Corner Blocks. |
| 1 Carrier.        |  |



The illustration above shows the equipment which we furnish with extra mold boxes for X-L-ALL Machines.

Prices for mold box outfits complete with mold box:

No. 4-A-104. Size 8x8x16 in. Price.....**\$42.00**

No. 4-A-105. Size 8x10x16 in. Price.....**45.00**



# Garden Implements and Tools

## Tree Pruners

4-A-7575.

Pruning can be done without climbing or using a ladder. Furnished complete with wood pole. The blade, being thin, offers but slight resistance in cutting. Length complete, eight foot. ....\$1.25



For use of linemen for cutting wires free from the branches. Also is desirable for orchard use. Is supported by a rope, tied in the end of a lever. When released the spring opens the blade. Socket is threaded and can be readily screwed on pole of any required length.

4-A-7565. Extra knives for above Pruner. Each 8c.

4-A-7567. Price is for Pruner only and does not include pole or rope. ....\$1.30

## Two Prong Hoe

4-A-7557. Two-pronged forged tempered steel blade. Width, 3 1/2 inches height, 9 inches. 4-foot selected hardwood handle. Strong and durable. Price, each .....33c



## Warren Pattern Hoe

4-A-7559. Polished steel blade, 6 1/2 inches wide, 7 1/2 ins. deep. Selected hardwood handle, 4 1/2 feet long. Made in superior manner. Price, each .....50c



## Weeding Hoe and Rake

4-A-7561. Polished steel blade, 6 1/2 inches wide, 7 1/2 inches deep. Selected hardwood handle, 4 1/2 feet long. Made in superior manner. Price, each .....90c



## Hand Cultivator

4-A-7555. Strong and substantial. Has 5-foot pointed forged tempered steel teeth, 4-foot selected hardwood handles. Price, each .....90c



## Grub Hoe Handle

4-A-7521. Selected Hickory handle, length, 36 inches. Price, each .....34c



## Steel Manure Hook

4-A-7533. Made in a strong, durable manner. With four 9-inch forged crucible steel oval tines. 6-foot selected straight hardwood handle, plain capped ferrule, riveted through handle, will not pull off. Price, each .....94c



## Steel Potato Hook

4-A-7535. Made in a strong, durable manner. Four diamond back crucible tines; length, 6 1/2 inches; 4 1/2-foot extra quality hardwood handle. Plain capped ferrule, riveted through handle; will not pull off. Price, each .....97c



## Solid Socket Field Hoe

4-A-7551. A heavy, strongly made, durable Hoe. Suitable for any general field work. Blades are made of high grade forged steel. Heavy one pieced steel sockets. Extra quality hardwood handles. 7-inch hoe has 5-foot handle; other sizes, 4 1/2 feet. Width of blade, inches. ....6 6 1/2 7 Price, each .....70c 75c 80c



## Grass Catcher

4-A-7649. Adjustable grass catcher. Made of canvas, galvanized steel bottom, steel wire frame to fit 12 to 14 inch mower. ....95c



To fit mowers 16 to 20 inches wide. ....\$1.05

## MALLEABLE IRON RAKES

4-A-7563. Made in a superior manner and an excellent value. Hardwood handle, length, 5 1/2 feet. Number of Teeth. ....12 14 Price, each .....43c 46c



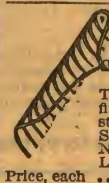
## REVERSIBLE LAWN RAKES

4-A-7513. A great favorite. Can be used for grass or leaves, has 24 heavy steel wire teeth. 6-foot selected hardwood handle. Price, each .....49c



## BRACED STEEL GARDEN RAKE

4-A-7537. The very best garden rake made, fitting head in one piece of solid steel. Steel bows well braced. Selected hardwood handles. No. of Teeth. ....12 14 Length handle, feet. ....5 1/2 6 Price, each .....\$1.00 \$1.10



## CALIFORNIA PATTERN PRUNING SHEARS

4-A-7545. Extra quality black finish Steel Blade. Malleable handle. Volute steel spring. Length, 9 inches 2 1/2 inch blade. Price, each .....75c



4-A-7547. Extra Quality California Pruning Shears. Bright nickel plated. 2 1/2 inch finely tempered steel blade. Length, 9 inches. Fully warranted. ....\$1.05



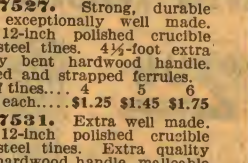
## PRUNING SHEARS

4-A-7539. Malleable iron handles. Spiral brass spring and link. Length, 9 inches; 2 1/2 inch steel blades. Price, each .....14c



## 4-A-7541 Henry Pattern Pruning Shears.

Without volute steel spring. Black japanned handles. Fine tempered steel blade. Length, 8 1/2 inches. Fully warranted. Price, each .....60c



## Manure Forks

4-A-7527. Strong, durable fork, exceptionally well made. Has 12-inch polished crucible oval steel tines. 4 1/2-foot extra quality bent hardwood handle. Capped and strapped ferrules. No. of tines. ....4 5 6 Price, each .....\$1.25 \$1.45 \$1.75

4-A-7531. Extra well made. Has 12-inch polished crucible oval steel tines. Extra quality bent hardwood handle, malleable "D" heads, hardwood grips. Capped and strapped ferrules. No. of tines. ....4 5 6 Price, each .....\$1.30 \$1.70 \$1.90

## LONG HANDLE MANURE FORKS

4-A-7525. A strong, well made fork. 12-inch oval polished crucible steel tines. 4 1/2-foot selected bent wood handle. Plain capped ferrule. No. of tines. ....4 5 6 Price, each .....85c \$1.10 \$1.70

## "D" HANDLE MANURE FORKS

4-A-7529. Strongly made and well finished. Polished oval steel tines. Selected bent wood handle, malleable "D" heads, hardwood grips. Plain capped ferrules. No. of tines. ....4 5 6 Price, each .....\$1.12 \$1.34 \$1.53



## Lawn Mowers

\$9.95

and up



These Light Running Lawn Mowers are manufactured especially for us in one of the most modern lawn mower factories in this country. These machines embody all latest improvements. The simple construction and quick adjustment being special features of our lawn mowers.

The Eureka and Premier Mowers are Ball Bearing type and are guaranteed by us to be the equal of any lawn mower manufactured regardless of price.

Our Suburban Mower is of the Bronze Roller Bearing type and second in quality only to our ball bearing mowers. Every lawn mower is guaranteed perfect in material and workmanship and will give lasting satisfaction.

## Suburban Lawn Mower

A strictly high grade, durable high wheel, bronze bearing machine, having 10-inch drive wheels with extended rims and spoked centers. Four crucible steel blades, continuous shearing, accurately ground.

Number	Blade, inches	Weight, pounds	Price, Each
4-A-7641	14	53	\$ 9.95
4-A-7642	16	56	10.60
4-A-7643	18	59	11.20

## Premier Lawn Mower

Ball bearing. Drive wheels, 10-inches in diameter with extended rim. The ratchet is noiseless and positive in action. Four crucible steel blades, finely tempered. Easily adjusted.

Number	Blade, inches	Weight, pounds	Price, Each
4-A-7609	14	53	\$11.65
4-A-7611	16	56	12.25
4-A-7613	18	59	12.80
4-A-7615	20	62	13.60

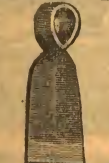
## Eureka Lawn Mower

A ball bearing, 9-inch wheel with extended rim, four fine tempered and ground crucible steel blades. Cutter bar is strong and ground to accurate edge. Cutter bar knife is adjustable.

Number	Blade, inches	Weight, pounds	Price, Each
4-A-7645	14	46	\$10.50
4-A-7646	16	48	10.95
4-A-7647	18	50	11.35

## HAZEL OR PLANTER'S EYE HOE HANDLE.

4-A-7523. Selected Hickory Handle, length, 5 1/2 ft. Price each .....40c

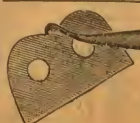


4-A-7517. Adze Eye Hazel Hoe. 6 inches wide, 10 inches long. Weight, about 3 pounds. Price, each .....97c

4-A-7515. Adze Eye Grub hoe. 4-inch cut weight, about 3 1/2 lbs. ....59c

4-A-7519. Planter's Eye Hoe. Solid forged steel. Weight about 1 1/2 lbs. Size, inches each 7 .....45c 7 1/2 .....47c 8 .....51c

## Mortar Hoe



4-A-7553. A strong, durable hoe. Made especially for mixing mortar and concrete. Has 6x10 inch forged steel blade, solid shank and socket. 6-foot selected hardwood handle. Price, each .....\$1.25



## MORTAR AND CONCRETE BARROW

### 4-A-10103.

Heavy steel tray, 24 inch wide, 36 inch long. Depth at wheel, 14 inch. Depth at handles, 8 inches. Hardwood handles 1 3/4 x 2 1/4 x 60 inches. Heavy steel angle legs. 17 inch improved steel wheel with malleable hub. Tire, 1 1/2 inches x 3/4 inch with diameter of spokes, 1 1/2 inch. Capacity, 4 cubic feet. Shipped knocked down. Weight, about 70 lbs. **\$8.00**

## PAN TRAY BARROW

### 4-A-10127.

A great favorite with the contractors. Tray is pressed from a single sheet of 16-gauge steel, wired and beaded on edge with 1/2-inch steel rod. The strongest and smoothest Pan Tray Barrow made. Size of tray, 33x32 inches. Depth at wheel, 11 inches. Depth at handle, 7 1/2 inches. Capacity, 4 cubic feet. Strongly braced and bolted. 16-inch improved steel wheel with malleable hub, 1 1/2 inch on tread. Shipped knocked down. Weight about 60 pounds. Price. **\$6.50**

## DOAN DITCH SCRAPER



Commonly called "back filler". Used to cut or fill ditches and leveling roads. Made of selected hardwood heavily strapped with 1/2-inch iron bands, and securely bolted. Hard steel bit, made of No. 7 gauge steel. Fitted with regular plow handles and draw by bars especially bent from steel 1 1/2 x 3/4 inches, to which is attached a heavy chain. Shipped from Factory, Central Ohio. 4-A-10125. Doan Scraper. Weight, 83 pounds. Price. **\$8.50**

## CHICAGO TONGUE SCRAPER

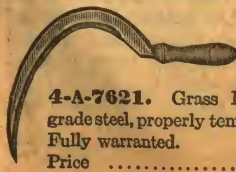


Used to cut or fill ditches and handling earth. Body is made of selected hardwood. Tongue and cross-bars of thoroughly seasoned oak heavily strapped, securely bolted, and riveted. The draw bars are made of extra quality steel, 1 1/2 x 3/4 inches. Malleable iron shoes are used, which are superior to steel, being thicker and will last longer. Made with square holes for the shoulder of the bolt. When the nuts are tightened the bolt cannot turn. There is also a socket for the head of the bolt to rest in. Weight, 135 pounds. Shipped from Factory, Central Ohio. 4-A-10133. 48-inch Chicago Tongue Scraper. Price. **\$9.45**

## IMPROVED SCYTHE PATTERN



4-A-7623. Grass Hook and Lawn Trimmer. Has crucible steel cutting edges, finely tempered, properly shaped and balanced. Guaranteed to give perfect satisfaction. Price. **25c**



## GRASS HOOKS

4-A-7621. Grass Hooks. Extra high grade steel, properly tempered, polished edges. Fully warranted. Price **40c**

## GARDEN BARROW

### 4-A-10117.

Made of selected hardwood. Strongly constructed with steel braces, painted and varnished in a superior manner. Removable sides. Bed, length, 28 inches. Width at handles, 20 inches, depth, 12 inches. 20-inch improved steel wheel with malleable hubs. Tire 1 1/2 inches wide. Weight, about 55 pounds. **\$4.95**

## DIRT BARROW

4-A-10101. Full sized tray, made of selected seasoned hardwood, strongly braced and well bolted. Has 16-inch improved steel wheel with malleable hub, 1 1/2 inch on tread. A strong, durable barrow which will give excellent satisfaction. Shipped knocked down. Weight, about 45 lbs. Price **\$3.35**

## PATENT LOOP SCYTHE SNATHS



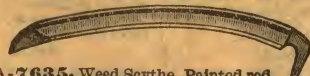
4-A-7639. Selected Seasoned Stock. Properly shaped, nicely finished and varnished. With patent loop and wrench. Price. **\$1.40**

## BRUSH OR WEED SNATH



4-A-7627. Two Ring Brush or Weed Snath. Selected seasoned stock, nicely finished and varnished. With two loop fasteners. Price. **\$1.90**

## WEED SCYTHE



4-A-7635. Weed Scythe. Painted red. Polished cutting edge. Price. **\$1.25**

## CLIPPER CORN KNIFE



4-A-7655. Extra quality steel, carefully tempered and ground. Hardwood handle. Price. **35c**

## LIGHTNING HAY KNIFE



4-A-7661. Genuine Lightning Pattern Hay Knife. Made of the finest tool steel, hardened and tempered like a scythe and ground sharp. Price. **\$1.45**

## HAY KNIVES



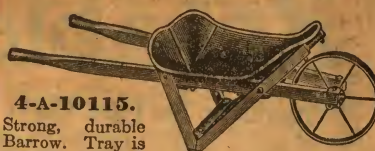
4-A-7659. Blizzard Pattern Hay Knife. Made of high grade tool steel, finely tempered. Price. **\$1.45**

## STEEL GRASS SHEARS



4-A-7617. High grade forged steel blade. Malleable iron shanks. Fully warranted. Price **22c**

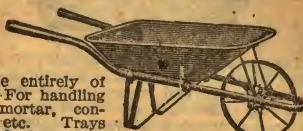
## STEEL TRAY BARROW



### 4-A-10115.

Strong, durable Barrow. Tray is pressed from a single sheet of 18-gauge steel without seam or lap, with edge turned over a 1/2-inch rod, which stiffens tray and gives it a round finished edge. Tray is mounted on triangular blocks which elevate the front and make it possible to carry a larger load without spilling. Has 16-inch improved steel wheel with malleable hub, 1 1/2 inch on tread. Shipped knocked down. Weight, about 47 lbs. Price. **\$4.85**

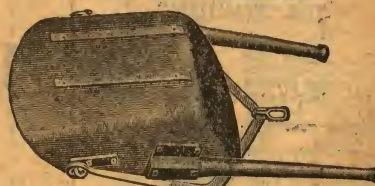
## TUBULAR STEEL BARROW



Made entirely of steel. For handling coal, mortar, concrete, etc. Trays stamped from one piece of 15-gauge steel with beaded edge. Handles made of tubing. 4-A-10129. Length on top, 32 inches, width on top, 28 inches. Depth at wheel, 7 inches. Depth at handles, 5 inches. Capacity, 3 cubic feet. Price. **\$8.75**

4-A-10131. Tubular Steel Wheel Barrow. Length on top, 37 inches, width on top, 29 1/2 inches. Depth at wheel, 9 inches. Depth at handles, 6 1/2 inches. Capacity, 4 cubic feet. Price. **\$9.35**

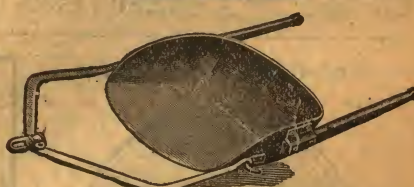
## OHIO ROAD SCRAPER



Runners are 1/4-inch steel put on with straight rivets. The bail, malleable swivel, also draw hooks and body, are of somewhat lighter material than used in our Premier Scrapers. The capacities are the same. The No. 1 weighs about 80 pounds; No. 2, about 70 pounds and No. 3 about 66 pounds. Shipped, Central Ohio.

	3	2	1
4-A-10111. Smooth bot...	\$6.90	\$6.40	\$6.80
4-A-10113. Double run...	6.65	7.00	7.35

## DRAG SCRAPERS



Made of 11 gauge high carbon steel. Have round back and curved bottom, reducing friction to a minimum. Have high sides, thus assuring the full capacity claimed.

	No. 1	No. 2	No. 3
	7	5	3
	cu. ft.	cu. ft.	cu. ft.
4-A-10105. Without runners	\$7.35	\$7.00	\$6.65
4-A-10107. With 2 runners	8.05	7.70	7.35
4-A-10109. With flat plate	8.75	8.40	8.00

## BUSH HOOKS WITH HANDLES

4-A-7657. Bush Hooks. Made from high grade tempered tool steel. Strong and serviceable. Complete with handle. Price. **\$1.75**





# Reliable Auto Accessories

## Radiators for Ford Cars



Brass  
Core

**\$13<sup>00</sup>**

Latest pattern honeycomb radiator for Ford cars—same design as built by the Ford Motor Co. Large water capacity and cooling surface guaranteed to keep your engine cool under most severe conditions. The core is flexible, allowing for expansion in case of freezing—water thawing gradually, which prevents bursting. All parts of core which come in contact with water are made of brass; radiator casing made of heavy wrought steel, finished in black Japan. Securely packed in wood box; weight 40 lbs.

4-A-1507. Radiator for Ford cars built from 1909 to 1916. Each.....**\$13.00**

4-A-1508. Radiator for Ford cars 1917 and 1918 Models. Each.....**\$13.00**

## Harris Spark Plugs

Junior  
40c

Giant  
75c



**STOP  
SPARK PLUG  
TROUBLES**

After careful investigation and test of the most trying and severe kind, we discovered the perfect spark plug. The specially selected, carefully blended clay used in the porcelain cores offer greatest possible resistance to heat, vibration and oil. They cannot chip or crack. Will not leak or short circuit. Quickly and easily cleaned. Two types. Giant and Junior—five sizes in each type.

There's a Harris Spark Plug in stock for any Automobile, Truck, Motorcycle, Tractor or Gas Engine ever built!

We guarantee "Harris" spark plugs indefinitely to give you best service under all conditions. We will replace free of charge, any "Harris" plug returned to us that fails to completely satisfy you.

4-A-1506—Junior Plugs, each.....**40c**

4-A-1505—Giant Plugs, each.....**75c**

Give size of plug and make of motor.

## Combination Radiator Shield and Hood



**For Ford Cars**

4-A-1506. Made especially to convert 1915 and 1916 Ford cars into the latest models, giving them a modern streamer line effect. The shield adds to the appearance, covering the springs and other unsightly parts. The radiator is equipped with the improved honeycomb core; practically indestructible; all parts coming in contact with water made of brass. Guaranteed to cool the engine. The hood shield and radiator shell or casing are made of heavy wrought steel, finished in black Japan; the honeycomb brass core in gray. Securely packed, weight 60 pounds. Price, complete.....**\$20.00**

## Best Auto Signal THE "STARTLER"

The starter signal for automobiles and trucks gives a sharp, clear warning. It is positive in action—prevents accidents. This splendid signal is the only vapor signal that acts when your machine is standing still and your engine running idle. Quickly and easily attached on any cylinder in place of a cup. Unusually well made and nicely finished. It is operated from a control cord which is run from the signal to the steering column. Especially valuable in traveling on country roads on account of its distinctive tone; so different from the average signal.



**\$2<sup>50</sup>**

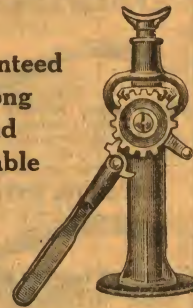
4-A-976. Automobile signal. Each.....**\$2.50**

## HIGH GRADE AUTO JACKS

**\$1<sup>40</sup>**

**Guaranteed  
Strong  
and  
Durable**

**\$1<sup>75</sup>**



4-A-977. A carefully designed jack for light weight cars quickly and easily adjusted to different heights by spinning the top gear. Only four working parts; self locking at any point; three sizes.

Capacity	Height Lowered	Height Raised	Price
2,000 lbs.	8 in.	12 in.	\$1.40
2,000 lbs.	10 in.	16 in.	1.50
2,000 lbs.	12 in.	20 in.	1.75

4-A-971. Designed for speed. The crank mechanism on side gear does away with pumping when raising or lowering the rod. Strong and well made; nicely finished; three sizes.

Capacity	Height Lowered	Height Raised	Price
4,000 lbs.	8 1/4 in.	14 in.	\$1.75
3,000 lbs.	10 3/4 in.	18 in.	2.10
6,000 lbs.	12 in.	20 in.	2.75

## Grease Cup Wrench

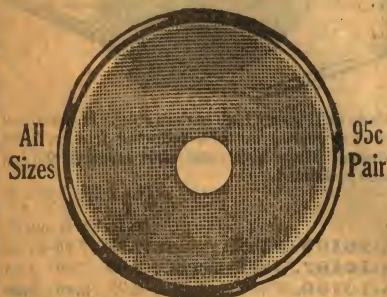


**Finely  
Made**

**75c**

4-A-1509. A simple inexpensive wrench that will prove to be the most handy article in your tool box; made of nickel-plated steel. Fits every auto grease cup made—all sizes and types. Needs no adjusting. With this wrench you can turn your grease cups easily and quickly without soiling your hands or clothes. Price, each.....**75c**

## Anti-Glare Auto Lenses

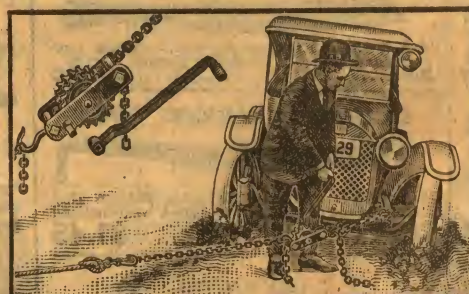


All  
Sizes

**95c  
Pair**

Flood the road ahead for 600 feet in front of your car with a strong but softened light, revealing everything on either side at a distance of 30 feet. An extra fine lens with 2,000 prisms cut on the inner side with a "bull's eye" pointing down just below the center, shooting a clear ray of light downward. The outside surface is smooth—proof against dust, mud, rain and snow.

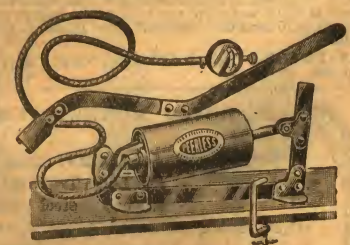
5-A-1511. Sale price (give exact diameter of your present lenses), per pair.....**95c**



## AUTO LIFTOUT

4-A-978. This simple device will prove to be the most necessary and important part of your equipment. On the road and in the garage. It is dependable, quickly and easily adjusted. Will lift your car out of the deepest ruts. Offers a splendid garage hoist, enabling you to raise your car to any convenient height for working underneath. The car leverage afforded by the patented construction enables you to move or lift a car of any weight with little exertion. Furnished complete with 8-ft. pulling chain and 4-ft. anchor chain with hooks. Self locking. Price.....**\$20.00**

## Auto Tire Pump



4-A-1510. Quick acting auto tire pump; can be attached to the running board of any machine. Durably constructed; guaranteed for the life of your car. Each pump is equipped with gauge, indicating the power pressure. Detachable handle; will fit in a small tool box. Nicely finished in red and black Japan, two coats baked on. Complete without gauge. Price, each.....**\$4.75**



# BELTING AND HOSE!

## "Standard" Rubber Belt

**3-A-1.** This is a light weight flexible belt of high tensile strength, especially adapted to agricultural purposes on dairy machines, silo machines, pumps, and comparatively light transmission service, etc.

Width, inches	3-Ply per ft.	4-Ply per ft.	
1	6c	8c	SMOOTH UNIFORM SURFACE
1 1/4	8c	10c	
1 1/2	9c	11c	
2	12c	14c	FOR LIGHT WORK IT CAN'T BE BEAT
2 1/4	14c	17c	
3	17c	20c	
3 1/4	20c	23c	
4	21c	25c	
4 1/4	24c	28c	
5	26c	31c	
6	28c	34c	
8	32c	40c	

## "Premier" Rubber Belt

**3-A-3.** This is an all-around service belt of medium weight made to withstand general transmission requirements, such as countershaft drives, flour mill drives, heavy agricultural work and conveying purposes.

Width, inches	4-Ply per ft.	5-Ply per ft.	6-Ply per ft.
3	\$0.23	...	...
4	.30	...	...
4 1/4	.33	...	...
5	.37	\$0.46	...
6	.44	.55	\$0.66
7	.51	.65	.83
8	.57	.70	...
10	.62	.86	1.03
11	.70	1.03	1.24
12	.83	1.12	1.46
13	.90	1.21	1.46
14	.97	1.30	1.73
16	1.03	1.39	...
18	1.11	1.44	...

## "Superior" Rubber Belt

**3-A-20.** This is the highest quality belt constructed; adapted for heavy duty on main drives in paper mills, sawmills, ore concentrating plants, factories, electric light plants and similar service where a belt is subjected to hard usage.

Width, inches	4-ply per ft.	5-Ply per ft.	6-ply per ft.	
4	\$0.33	\$0.41	...	TENSILE STRENGTH UNEQUALED
5	.41	.51	...	
6	.49	.62	\$0.73	
7	.57	.72	.86	ECONOMICAL
8	.62	.77	.92	
9	.69	.86	1.04	
10	.77	.96	1.15	WILL GIVE FIRST CLASS SERVICE
12	.92	1.15	1.38	
13	1.08	1.34	1.62	
14	1.15	1.44	1.85	
16	1.23	1.54	2.08	
18	1.33	1.72	2.30	
20	1.44	1.92	2.56	
22	1.55	2.11	2.76	
24	1.66	2.30	2.96	

—FOR HEAVY WORK—

## CANVAS BELTING "XX" Special Brand

**3-A-9.** This belt is the most serviceable for use outdoors, as it can not be injured by steam or water and can be run in places where the heat would injure a rubber or leather belt. It is made of heavy canvas woven very hard, giving it great strength. The rows of stitching are very close so that the piles will not separate. It is painted red with a special composition which makes it waterproof and it is not affected by heat or cold. This belt is thoroughly stretched during the process of manufacture and is adaptable for sawmills, mines, quarries, etc.

Width, inches	4-Ply per ft.	5-Ply per ft.	6-Ply per ft.	
1	\$0.06	...	...	Made of Heavy Canvas
1 1/4	.08	...	...	
1 1/2	.09	...	...	
2	.12	...	...	Perfectly Woven
2 1/4	.14	...	...	
3	.17	...	...	
3 1/4	.20	...	...	
4	.22	\$0.28	\$0.33	
4 1/4	.24	.34	.41	
5	.27	.39	.47	
6	.32	.45	.51	
7	.36	.51	.61	
8	.41	.57	.67	
10	.49	.67	.77	
12	.62	.77	.92	
14	.69	...	1.04	

## LEATHER BELTING "Square" Brand

**3-A-6.** "Square" Brand New Leather Belt is suitable for light and medium power transmission. It is cut from the same leather as our "Reliable" Brand and is manufactured in the same careful manner, but is of a lighter weight. For farm machinery, light factory power, etc., there is no better belt on the market. Made endless to order at a charge of one foot extra for labor and lap.

Width, inches	Single Thick per ft.	Double Thick per ft.	Width, inches	Single Thick per ft.	Double Thick per ft.
1	11c	...	3	32c	\$0.64
1 1/4	14c	...	3 1/4	38c	.76
1 1/2	16c	...	4	43c	.86
1 3/4	19c	...	4 1/4	49c	.98
2	22c	44c	5	54c	1.08
2 1/4	24c	48c	6	65c	1.30
2 1/2	27c	54c	7	...	1.51
2 3/4	30c	60c	8	...	1.73

## "Reliable" Brand

**3-A-7.** Our "Reliable" Brand New Leather Belt is by far the best leather belt on the market, made of short lap, high grade stock from which the finest leather belt is made, cannot be beat for high speeds such as woodworking machinery and heavy drives. Made endless to order at a charge of one foot extra for labor and lap.

Inches Width	Per ft. Thick Single	Per ft. Thick Double	Width, inches	Per ft. Thick Single	Per ft. Thick Double
2	26c	...	5 1/4	71c	\$1.42
2 1/4	32c	...	6	77c	1.54
2 1/2	39c	78c	7	91c	1.82
3	45c	90c	8	\$1.03	2.06
3 1/4	52c	\$1.04	9	...	2.33
3 1/2	58c	1.16	10	...	2.59
4	65c	1.30	12	...	3.11

## Hard Rubber Suction Hose

**3-A-43.** Hard Rubber Suction Hose, smooth bore, extra heavy walls which will prevent collapsing when in use. Sold in lengths in multiples of 5 feet to 50 feet inclusive. Prices do not include couplings or clamps.

Size, inches.....	1/4	1	1 1/4	1 1/2
Price, per foot.....	20c	23c	28c	34c

## Moulded Garden Hose

This hose is of Seamless Construction; every strand of cotton is continuous and there are no seams in either cotton or rubber. Being moulded under high pressure both internal and external, it does not kink. Made with corrugated red rubber cover, thick durable tube and two separate and independent braids of hard twisted cotton, between which is a distinct layer of rubber. Will stand a pressure of 100 to 125 pounds. Furnished in 25 and 50 foot lengths, with 1/4-inch couplings. We can also furnish this hose cut to any length desired at 15c per foot, couplings extra, 35c per set.

3-A-37.....	Size in Dia.	Price, 25 ft.	Price, 50 ft.
	1/4 in.	\$3.00	\$7.50

## White Woven Cotton Belting

**3-A-15.** This white woven cotton belt is especially adapted for elevating and conveyor purposes. It is solid woven, making it the heaviest and strongest cotton belt on the market.

Width, inches	2-Ply	3-Ply	4-Ply	5-Ply	6-Ply
1	4c	6c	...	...	...
1 1/4	5c	7c	...	...	...
1 1/2	6c	8c	10c	...	...
2	7c	9c	12c	...	...
2 1/4	8c	10c	14c	...	...
3	9c	12c	15c	...	...
3 1/4	10c	13c	...	23c	...
4	11c	14c	19c	26c	...
4 1/4	12c	16c	21c	...	...
5	13c	18c	23c	32c	38c
6	14c	20c	26c	36c	45c
6 1/2	...	22c	28c	...	...
7	...	23c	31c	...	51c
8	19c	27c	35c	49c	61c
9	...	33c	42c	55c	68c
10	27c	37c	49c	63c	78c
12	31c	42c	56c	76c	93c

## Alligator Steel Belt Lacing



Just a hammer to apply it. Packed in boxes, complete with pins.

**3-A-15.** For light narrow single leather or fabric belts 1/4 to 1/2 inch thick. Packed in 8-inch lengths containing sufficient for 64 inches in width of belting. Per box.....\$1.45

**3-A-20.** For single leather belts, three-ply fabric, etc., up to 1/2 inch thick. Packed in 12-inch lengths, containing sufficient for 60 inches in width of belting. Per box.....\$1.45

**3-A-25.** For single leather and fabric belts from 1/2 inch to 3/4 inch thick. Packed in 8-inch lengths containing sufficient for 48 inches in width of belting. Per box.....\$1.40

**3-A-35.** For double leather, 5-ply rubber, cotton or balata belts, 3/4 to 1 inch thick. Packed in 8-inch lengths containing sufficient for 32 inches in width of belting. Per box.....\$1.30

**3-A-45.** For heavy double leather and 6-ply belts up to 1 1/2 inch thick. Packed in 12-inch lengths containing sufficient for 48 inches in width of belting. Per box.....\$2.50

## Cut Raw Hide Lace Leather



**3-A-24.** Made of the finest selected hides. Put up in bundles containing 50 to 100 feet. We guarantee that this is the toughest and best quality of cut lace leather on the market.

Width, inches.....	1/4	1/2	3/4	1	1 1/4	1 1/2
Price, 50 feet.....	\$0.50	\$0.55	\$0.70	\$1.00	\$1.20	\$1.40
Price, 100 feet.....	.95	1.05	1.30	1.85	2.20	2.60

## Perfection Belt Dressing

Prevents belt from slipping. Contains nothing that is injurious to the belt. Put up in 1 lb. sticks.

**3-A-104.** Price per stick.....25c

## Endless Canvas Belting



**3-A-11.** Brand new and guaranteed. These belts are especially recommended for threshers or for any other purpose where a belt is exposed to the weather. Actual lengths are three feet shorter than specified as it requires the price of three feet for lap and labor in making belts endless.

Width, inches	50 ft.	75 ft.	100 ft.	125 ft.	150 ft.
5	\$14.70	\$21.30	\$28.20	...	...
6	17.10	24.90	33.00	\$40.80	...
7	19.50	28.50	37.50	46.50	\$55.50
8	21.90	32.10	42.30	52.50	62.40
9	...	...	...	...	69.00

Width, inches	125 ft.	150 ft.	160 ft.
7	\$58.20	\$69.30	...
8	65.40	78.30	\$83.10
9	...	86.10	91.50

Width, inches	150 ft.	160 ft.
8	\$93.90	\$99.90
9	103.50	110.40

## Two-Inch Tank Suction Hose



**3-A-46.** This is the regular standard Thresherman's Suction Hose, with steel wire inserted in walls to prevent collapsing. Has large rubber ends and will fit over 2-inch tank pump connection. Sold in lengths of 10, 20 and 25 feet only. Size, inside diameter.

15. hes. Price, per foot.....	41c
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## Elevator Buckets



### 3-A-49

Brand new. For general elevator work we consider the Salem bucket the best on the market. All these buckets are spot welded. This decidedly strengthens the bucket,

saves the belt and discharges perfectly. When placing order advise how you want them punched, whether for flat belt or link chain belting. If for link belt state style of attachment.

Bucket Size, Ins.		Capac. Cubic Inches	Gauge No.	Price Each
Length	Prof.			
3	3	12	22	\$0.12
3 1/4	3 1/4	15	22	.12
4	3 1/4	17	22	.12
4 1/4	3 1/4	20	22	.12
4 1/2	3 1/4	24	22	.12
4 3/4	3 1/4	27	22	.12
5	3 1/4	30	22	.13
5 1/4	4	41	20	.14
5 1/2	4	45	20	.16
6	4	49	20	.19
6 1/4	4 1/4	66	20	.22
7	5	98	19	.26
8	5	110	19	.30
10	5	122	19	.35
10 1/2	5 1/4	156	18	.36
9	6	169	18	.38
10	6	187	18	.42
11	6	206	18	.47
12	6	225	18	.52

## Steel Split Pulleys

**16-A-79.** Brand new. Steel split pulleys are by far the best pulleys to use. They are stronger than cast iron and more durable than wood; do not fly to pieces when operated at high speed. Furnished complete with bushings. In ordering state whether crown or straight face pulley is desired also size of shaft.

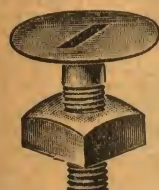
Diam. Ins.		Face Ins.	Price Each	Diam. Ins.		Face Ins.	Price Each
6	3	3	\$2.80	14	4	5	\$4.40
6	4	4	2.95	14	5	6	4.80
6	5	5	3.20	14	6	7	5.25
6	6	6	3.45	16	4	4	4.90
8	4	4	2.95	16	5	5	5.20
8	5	5	3.20	16	6	6	5.85
8	6	6	3.45	18	4	4	5.45
8	7	7	3.70	18	5	5	5.95
10	4	4	3.45	18	6	6	6.50
10	5	5	3.70	20	4	4	6.40
10	6	6	3.95	20	5	5	6.90
12	4	4	3.95	20	6	7	7.65
12	5	5	4.10	24	4	4	7.55
12	6	6	4.55	24	6	6	9.30

## Brand New Rigid Pillow Blocks



**16-A-13.** Heavy and suitable for all ordinary work, babbitted with the best grade of babbit for shaft service. Sizes given are for diameter of shaft.

Size, inches.....	3/4	1	1 1/4	1 1/2
Price, each.....	\$0.70	\$0.70	\$0.90	\$1.20
Size, inches.....	1 1/2	1 3/4	2	2 1/4
Price, each.....	\$1.20	\$1.20	\$1.65	\$2.20

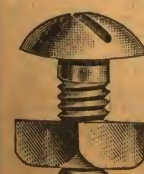


## Elevator Bucket Bolts

**3-A-927.** These bolts are for attaching elevator buckets to flat belts and have slot in head for screw driver, and corrugated under service. They are well made and smoothly finished. Sold in boxes of 100 only.

Dia.	Lgth.	
In.	In.	
1/4	1/2	Price per box of 100.....\$0.85
1/2	3/4	Price per box of 100..... .90
3/4	1	Price per box of 100..... .95
1	1 1/4	Price per box of 100..... 1.00
1 1/4	1 1/2	Price per box of 100..... 1.05

## Chain Elevator Bolts



**3-A-928.** This type bolt is used for attaching elevator buckets to link chain belting. They have button head, are well made and smoothly finished. Sold in boxes of 100 only.

Dia.	Lgth.	Price
In.	In.	
1/4	3/4	Box of 100...90c
3/4	1	Box of 100...95c

## Malleable Link Chain Belting



**16-A-809.** Brand new, for use on Mowers, Reapers, Binders, Corn and Wheat Drill, Corn Shellers, Straw Stackers, Feed Cutters, Saw Dust Conveyors, etc.

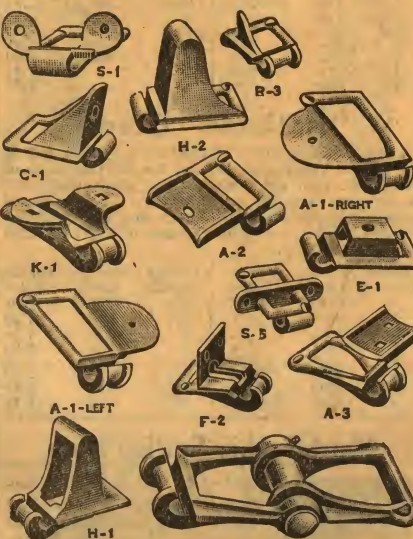
When ordering chain be sure and give number. If the chain is so worn that number is effaced, it is advisable to send a sample link.

No.	Links per ft.	Working Strain Pounds	Approx. Leather Belting In. Single	Price per ft.
25	13.3	75	1 1/2	\$0.12
32	10.4	150	2 1/4	.13
33	8.6	200	2 1/2	.12
34	8.6	225	2 3/4	.14
35	7.4	250	3	.15
42	8.8	300	3 1/2	.13
45	7.4	350	3 3/4	.18
51	10.4	375	4	.18
52	8.0	400	4 1/4	.16
55	7.4	450	4 1/2	.19
57	5.2	600	6 1/2	.23
62	5.2	650	7	.26
67	5.2	700	7 1/2	
77	5.2	750		

## Attachment Links for Chain Belting

### MADE OF MALLEABLE

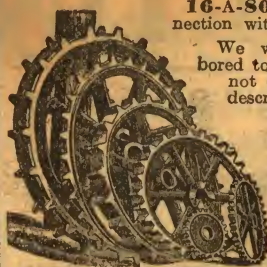
**16-A-23.** Attachment Links are made to fit the sizes of chains as listed below, and must not be ordered, except to match the size we state they will fit. For example, it will be noticed that the H2 attachment is only made for No. 25 chain, and must not therefore be ordered to be used on any other size.



Chain No.	25 takes	A1-C1-H2-K1	A1-E1-K1-S1	A1-C1-E1-K1-S1	A1-A2-C1-E1-F2-K1-S1	A1-A3-F2-K1	A1-C1-E1-F2-K1-S1-S5	A1-F2-K1	A1-C1-K1-K5-S1	A1-E1-F2-K1	A1-E1-F2-H1-K1-R3
32											
33											
34											
35											
42											
45											
52											
55											
57											
62											
67											
77											

Attachments for No. 25 and 32 Chain. Each..... 6c  
Couplers for Nos. 25 and 32 Chain. Per pair..... 13c  
Attachments for Nos. 33, 34 and 42 Chain. Each..... 7c  
Couplers for Nos. 33, 34 and 42 Chain. Per pair..... 15c  
Attachments for Nos. 35, 45, 52, 55 and 62. Chain. Ea. 8c  
Couplers for Nos. 35, 45 and 55 Chain. Per pair..... 16c  
Couplers for Nos. 51, 52 and 57 Chain. Per pair..... 19c  
Attachments for Nos. 57, 67 and 77 Chain. Each..... 12c  
Couplers for Nos. 62, 67 and 77 Chain. Per pair..... 26c  
The Chain Couplers are a most useful device to place and connect link belting around the sprocket and have it without slack, and is equally desirable in taking it off the sprocket.  
When ordering attachment A1, A2, A3 or R3, advise whether you want Right or Left Hand style.

## Brand New Sprocket Wheels



**16-A-805.** Used in connection with Link Belting.

We will furnish these bored to fit any size shaft not exceeding the size described, in connection with each number. In ordering be sure and state size of shaft and whether the sprockets are to be key-seated or set screws or both. Unless otherwise specified, they will be furnished with set screws.

No. 25—BORE 1 7-16 INCH AND LESS				
Pitch Dia. In.	Teeth	Price Each	Pitch Dia. In.	Teeth
2	7	\$1.45	7 1/2	26
2 1/4	8	1.50	8	28
2 1/2	9	1.55	10	35
3	12	1.60	12	42
3 1/2	12	1.65	13	45
4	14	1.75	14 1/2	50
5	17	1.95	15	52
5 1/2	19	2.10	16	56
7	24	2.50	18 1/2	64

No. 32—BORE 1 7-16 INCH AND LESS				
Pitch Dia. In.	Teeth	Price Each	Pitch Dia. In.	Teeth
2	5	1.55	8	22
2 1/4	7	1.60	8 1/2	24
2 1/2	8	1.65	10	27
3	9	1.70	11 1/2	32
3 1/4	11	1.75	12 1/2	34
4	12	1.80	13 1/2	36
5 1/4	14	2.00	14	38
5 1/2	16	2.25	14 1/2	40
7 1/2	20	2.75		

Nos. 33 and 34—BORE 1 7-16 INCH AND LESS				
Pitch Dia. In.	Teeth	Price Each	Pitch Dia. In.	Teeth
2 1/4	6	1.65	10 1/2	24
3 1/4	8	1.75	12	27
4 1/4	10	1.95	13 1/2	30
5 1/4	11	2.00	15 1/2	34
6 1/4	12	2.10	16 1/2	36
8 1/4	15	2.50	18 1/2	41
8	18	2.95	18 1/2	42
8 1/2	19	3.15	24	54
9	20	3.30	28 1/2	64

Nos. 35, 45, 55—BORE 1 15-16 INCH AND LESS				
Pitch Dia. In.	Teeth	Price Each	Pitch Dia. In.	Teeth
2 1/4	5	1.70	17	33
3 1/4	7	1.75	18	35
4 1/4	9	2.05	20 1/2	39
5 1/4	11	2.40	21 1/2	42
6 1/4	13	2.80	22 1/2	44
7 1/4	15	3.25	23 1/2	46
8 1/4	17	3.70	24 1/2	48
9 1/4	19	4.05	25 1/2	50
11	21	4.45	28	54
12	23	4.90	30	58
13	25	5.35	31	60
16	31	6.60	36	69

No. 42—BORE 1 11-16 INCH AND LESS				
Pitch Dia. In.	Teeth	Price Each	Pitch Dia. In.	Teeth
2 1/4	6	1.70	9 1/2	22
3 1/4	8	1.80	11 1/2	26
4 1/4	11	2.10	12 1/2	28
5 1/4	12	2.25	14	32
6	14	2.50	15 1/2	36
7	16	2.80	17 1/2	41
8	18	3.15	20	46
8 1/2	20	3.60	24	55

No. 52—BORE 1 15-16 INCH AND LESS				
Pitch Dia. In.	Teeth	Price Each	Pitch Dia. In.	Teeth
3	8	1.75	15 1/2	32
3 1/4	8	1.95	17 1/2	36
4 1/4	10	2.25	19 1/2	40
5 1/4	11	2.40	22	46
6 1/4	14	3.10	23 1/2	49
7 1/4	16	3.40	24 1/2	51
8 1/4	18	3.80	25 1/2	52
9 1/4	20	4.25	26 1/2	55
10 1/4	22	4.60	27 1/2	58
12 1/4	26	4.90	28 1/2	60
13 1/4	28	5.05	30 1/2	64

Nos. 57, 67, 77—BORE 2 7-16 INCH AND LESS				
Pitch Dia. In.	Teeth	Price Each	Pitch Dia. In.	Teeth
4	5	2.00	23 1/2	27
4 1/4	6	2.30	24 1/2	30
5 1/4	7	2.65	25 1/2	32
6	8	2.95	26 1/2	34
7 1/4	10	3.60	28 1/2	36
9	12	4.15	28 1/2	38
10 1/4	14	4.80	30	41
11 1/4	16	5.45	32 1/2	44
13 1/4	18	6.10	36	49
14 1/4	20	6.75	38 1/2	52
16 1/4	22	7.45	41 1/2	56
17 1/4	24	8.10		

No. 62—BORE 2 7-16 INCH AND LESS				
Pitch Dia. In.	Teeth	Price Each	Pitch Dia. In.	Teeth
3 1/4	7	1.95	12 1/2	23
4 1/4	8	2.00	13 1/2	26
4 1/2	9	2.15	14 1/2	28
5 1/4	10	2.30	15 1/2	30
5 1/2	11	2.65	18	34
6 1/4	12	2.95	20	38
6 1/2	13	3.25	21 1/2	41
7 1/4	14	3.45	23	43
8	15	3.70	25 1/2	48
8 1/2	16	3.90	30 1/2	58
10	19	4.60		

Write for prices on No. 51 sprocket wheels and sizes not listed.

We can furnish power transmission and elevator equipment of all descriptions. If you don't find what you want send us your complete specifications and our low money saving prices will follow.



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**Size Limit** If the combined length and girth measure of a package does not exceed 7 ft., it can be shipped by Parcel Post.

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- 5c insures a package up to \$25.00.
- 10c insures a package up to \$50.00.
- 25c insures a package up to \$100.00.

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# FREIGHT SHIPMENTS

**The Freight Tables Below** show the freight rates per 100 lbs. on shipments from Chicago to properly distributed cities in each state. The railroad companies use these cities as a basis for figuring freight rates to the town in the immediate vicinity of the cities given. By referring to the classification and the freight tables below, you can come within a few cents of the correct freight rate to your town from Chicago on less carloads. Carload rates furnished on application.

## How to Figure Freight Charge

First look through the classification table directly below and find what class covers the merchandise you wish shipped; then refer to the table of freight rates to the nearest town to your shipping point. Follow the line of that town to the column showing the classification of the goods you wish shipped, and this will give you the freight rate per 100 lbs. within a few cents of the actual charge.

## Classification of Material and Merchandise When Shipped by Freight

The railroad companies discriminate in the goods to be shipped and classify them as shown in the tables below in four different classifications. This is how they base the freight rates on all merchandise to every section of the country.

In order that you can figure the correct freight rate to your station, we have classified merchandise which will cover shipments of almost any nature. If you are unable to find the particular article you wish shipped, find that which nearest resembles it.

Class	Class	Class	Class	Class	Class
Adding Machines.....1 1/2 TI	Belting.....2	Columns, Iron or Steel.....4	Fittings, Lavatory.....2	Lath, Wooden.....4	Roofing, Iron.....4
Angle Bars and Plates.....4	Flowers, Air.....1	Concrete Block Machines.....1	Fittings, Pipe.....2	Lathing, Metal.....4	Range Boilers.....3
Anvils.....4	Boilers, Heating, Iron or Steel.....2	Conductor Pipe.....1	Floors, Tile.....1	Lavatories, Iron or Steel.....4	Ranges and Stoves, Coal.....3
Anyell Vise and Drill Comb.....3	Buckets, Building, Conveying, Dredging and Asbestos Roofing.....4	Console Mirrors.....1	Flues, Boiler.....1	Lavatories, Iron Basins or Bowls.....1	Refrigerators.....2
Asbestos Felt or Paper.....3	Dump Hoisting.....2	Corn Shellers, hand.....2	Forges, Portable.....1	Linoleum.....2	Roofing, Prepared.....4
Asbestos Roofing.....3	Buffets and China Closets or Sideboards Combed.....1 1/2 TI	Corn Shellers, Power.....2	Furnace, Castings.....1	Lumber LCL.....3	Rope, Wire.....4
Asphalt Shingles.....3	Reed or Willow.....3 TI	Couches, Wooden.....D1	Furnace, Heating.....3	Machinery.....1	Rugs.....1
Asphalt Palut in Wood.....3	Cream Separators, Centrifugal.....2	Couches, Bamboo, Cane, Fibre & Grass Rattan.....1	Gates, Wood, Iron or Wire.....3	Paint in kits or pails.....1	Safes, Kitchen.....1 1/2
Barb Wire.....4	Desks.....2	Doors, Wood, Glazed.....1	Glass Comm. Window Boxed.....2	Paper, Building.....3	Safes, Iron.....2
Barb Door Hanger Rails.....3	Doors, Wood, Not Glazed.....2	Doors, Vault.....2	Glass, Plate, not bent, 120 in. or under.....1	Paper, Roofing.....3	Sash, Glazed.....2
Barrows, Wheel.....1 1/2 TI	Drain Boards and Sinks, Backs, Combinations.....1	Drain Boards, Iron or Steel.....3	Exceeding 120 in. but not over 15 ft.....1	Pipe Fittings.....4	Sash, Unglazed.....3
Basins, Lavatory Iron.....1	Drain Boards, Iron or Steel.....3	Drain Troughs.....1	Hardware.....2	Pipe, Iron, Barbed.....4	Stoves (See Ranges).....3
Bath Tubs, Iron & Steel.....1	Engines, Steam.....1	Engines, Steam.....1	Hay Presses and Engines.....3	Plasterboard.....3	Wallboard.....3
Bath Tub Fittings.....2	Feed Boxes, Iron or steel.....1	Engines, Steam.....1	Houses, Portable.....1	Posts, Iron or steel.....2	Wire, Iron.....4
Bathroom Cabinets.....1	Fence Gates, Iron or steel.....4	Engines, Steam.....1	Houses, Corn, Power.....2	Posts, Wooden.....3	Wire Gates.....4
Beams, Columns, Guides, Trusses.....1	Fence Post, Iron or steel.....4	Engines, Steam.....1	Incubators.....1	Pulleys.....3	Wire Closet Bowls, Iron.....3
Beams, Iron or Steel.....1	Fittings, Bath Tub.....2	Engines, Steam.....1	Iron Angles, Band, Structural.....4	Radiators, Hot Water or Steam.....2	Wire Fencing.....3
Beds, Folding Iron.....1		Engines, Steam.....1	Jack Screws.....1	Range, Boiler Stands.....1	1 1/2 TI Means 1 1/2 times 1st class.
Beds, Three Places, Bedstead Ends and Rails.....1		Engines, Steam.....1		Range, Closets.....1	**D1 Means Double 1st class.
Bedstead Rails and Wire Springs.....1		Engines, Steam.....1		Range, Gas and Gasoline.....1	***3TI Means 3 times 1st class.
Bedstead Slat, Wooden.....1		Engines, Steam.....1		Ridge Roll Metal.....2	
Bells.....1		Engines, Steam.....1			

## The Freight Rates Below Are for 100 Lbs. to Towns Covering Each State

	1st Class Per 100 lbs.	2nd Class Per 100 lbs.	3rd Class Per 100 lbs.	4th Class Per 100 lbs.		1st Class Per 100 lbs.	2nd Class Per 100 lbs.	3rd Class Per 100 lbs.	4th Class Per 100 lbs.		1st Class Per 100 lbs.	2nd Class Per 100 lbs.	3rd Class Per 100 lbs.	4th Class Per 100 lbs.
<b>ALABAMA—</b>					<b>KENTUCKY—</b>					<b>N. DAKOTA—</b>				
Birmingham.....	\$1.91	\$1.61	\$1.34	\$1.08	Frankfort.....	\$1.12	\$0.96	\$0.79	\$0.61	Bismarck.....	\$2.44	\$2.06	\$1.63	\$1.18
Brewton.....	2.29	1.97	1.69	1.35	Hopkinsville.....	1.21	.98	.83	.70	Fargo.....	1.78	1.50	1.18	.82
Mobile.....	2.05	1.74	1.43	1.24	Louisville.....	.84	.71	.57	.42	Grand Forks.....	1.89	1.59	1.27	.90
Montgomery.....	2.19	1.91	1.64	1.28	Morehead.....	1.53	1.28	1.00	.73	Minot.....	2.67	2.27	1.86	1.34
<b>ARIZONA—</b>					<b>LOUISIANA—</b>					Williston.....	3.04	2.53	2.07	1.52
Phoenix.....	4.36	3.77	3.14	2.63	Lake Charles.....	2.38	2.01	1.63	1.41	<b>OHIO—</b>				
Tucson.....	4.36	3.77	3.14	2.63	New Orleans.....	2.04	1.74	1.43	1.24	Cincinnati.....	.81	.69	.54	.41
<b>ARKANSAS—</b>					Shreveport.....	2.32	1.96	1.61	1.37	Columbus.....	.84	.71	.57	.43
Arkansas City.....	2.04	1.72	1.35	1.20	<b>MAINE—</b>					Toledo.....	.76	.65	.52	.39
Fort Smith.....	2.04	1.72	1.35	1.20	Bangor.....	1.49	1.31	.99	.70	<b>OKLAHOMA—</b>				
Hot Springs.....	2.00	1.69	1.36	1.17	<b>MARYLAND—</b>					Oklahoma City.....	2.28	1.96	1.63	1.33
Little Rock.....	1.91	1.60	1.31	1.12	Baltimore.....	1.40	1.23	.92	.64	<b>OREGON—</b>				
Texarkana.....	2.18	1.83	1.49	1.28	<b>MASS.—</b>					Portland.....	5.11	4.43	3.68	3.12
<b>CALIFORNIA—</b>					Boston.....	1.49	1.31	.99	.70	<b>PENNSYLVANIA—</b>				
Bakersfield.....	5.10	4.43	3.60	3.12	<b>MICHIGAN—</b>					Philadelphia.....	1.41	1.24	.93	.64
Los Angeles.....	5.10	4.43	3.60	3.12	Bessemer.....	.99	.84	.68	.43	Pittsburgh.....	.98	.84	.66	.50
San Francisco.....	5.10	4.43	3.60	3.12	Detroit.....	.79	.68	.53	.40	<b>RHODE ISLAND—</b>				
<b>COLORADO—</b>					Grand Rapids.....	.75	.63	.51	.38	Providence.....	1.49	1.31	.99	.70
Denver.....	2.74	2.21	1.68	1.30	Traverse City.....	.98	.82	.66	.49	<b>S. CAROLINA—</b>				
Durango.....	4.70	2.56	3.15	2.36	<b>MINNESOTA—</b>					Charleston.....	2.15	1.82	1.61	1.40
Grand Junction.....	2.56	3.35	2.78	2.24	Altkin.....	1.42	1.20	.96	.64	Greenville.....	2.30	2.11	1.80	1.42
Julesburg.....	3.98	2.14	1.63	1.30	Crookston.....	1.79	1.50	1.20	.85	<b>SOUTH DAKOTA—</b>				
Leadville.....	3.98	3.35	2.76	2.11	Duluth.....	.99	.84	.68	.43	Aberdeen.....	1.74	1.45	1.03	.77
<b>CONNECTICUT—</b>					Grand Rapids.....	1.51	1.25	1.00	.68	Bellefourche.....	2.95	2.47	2.05	1.68
Hartford.....	1.49	1.31	.99	.70	Minneapolis.....	.92	.77	.61	.39	Sioux Falls.....	1.27	1.03	.72	.52
<b>DELAWARE—</b>					Winona.....	.77	.64	.51	.36	Watertown.....	1.46	1.25	.97	.70
Dover.....	1.42	1.26	.96	.68	<b>MISSISSIPPI—</b>					<b>TENNESSEE—</b>				
<b>DISTRICT OF COLUMBIA—</b>					Hattiesburg.....	1.95	1.64	1.41	1.17	Jackson.....	1.59	1.32	1.07	.88
Washington.....	1.40	1.23	.92	.64	Jackson.....	1.96	1.67	1.38	1.18	Knoxville.....	1.88	1.60	1.35	1.07
<b>FLORIDA—</b>					Natchez.....	1.66	1.35	2.14	.88	Memphis.....	1.51	1.28	1.06	.90
Jacksonville.....	2.15	1.82	1.60	1.40	<b>MISSOURI—</b>					Nashville.....	1.48	1.23	.99	.80
Miami.....	3.51	2.14	2.71	2.38	Kansas City.....	1.22	.99	.70	.49	<b>TEXAS—</b>				
Pensacola.....	2.05	1.74	1.43	1.24	St. Louis.....	.79	.68	.53	.40	El Paso.....	3.35	2.83	2.32	1.98
Tallahassee.....	2.88	2.43	2.14	1.72	Springfield.....	1.24	1.10	.77	.57	Fort Worth.....	2.54	2.16	1.77	1.61
Tampa.....	2.86	2.43	2.07	1.85	<b>MONTANA—</b>					Houston.....	2.54	2.16	1.77	1.61
<b>GEORGIA—</b>					Billings.....	3.76	3.14	2.54	2.05	<b>UTAH—</b>				
Atlanta.....	2.32	1.99	1.69	1.37	Glasgow.....	3.39	2.88	2.33	1.78	Marysville.....	4.68	4.03	3.43	2.86
Macon.....	2.32	1.99	1.69	1.37	Havre.....	3.76	3.22	2.61	2.05	Salt Lake City.....	3.98	3.35	2.78	2.24
Savannah.....	2.15	1.78	1.60	1.40	Helena.....	3.98	3.40	2.78	2.24	<b>VERMONT—</b>				
Waycross.....	2.71	2.32	2.05	1.70	Kalspell.....	4.13	3.53	2.90	2.36	Montpelier.....	1.49	1.31	.99	.70
<b>IDAHO—</b>					Miles City.....	3.39	2.88	2.33	1.78	<b>VIRGINIA—</b>				
Boise.....	4.22	3.62	3.05	2.49	<b>NEBRASKA—</b>					Marion.....	1.61	1.41	1.33	.77
Pocatello.....	3.98	3.35	2.78	2.24	Lincoln.....	1.30	1.07	.75	.56	Richmond.....	1.40	1.23	.92	.84
<b>ILLINOIS—</b>					North Platte.....	2.38	1.98	1.51	1.20	Winchester.....	1.40	1.23	.92	.66
Calro.....	.89	.76	.60	.45	Omaha.....	1.22	.99	.70	.49	<b>WASHINGTON—</b>				
Joliet.....	.42	.25	.28	.21	<b>NEVADA—</b>					Seattle.....	5.11	4.43	3.68	3.12
Rock Island.....	.67	.57	.45	.34	Austin.....	5.37	4.75	4.12	3.50	Spokane.....	4.36	3.77	3.14	2.63
Springfield.....	.71	.61	.48	.43	Carson City.....	4.71	4.12	3.48	2.99	<b>W. VIRGINIA—</b>				
<b>INDIANA—</b>					<b>N. HAMPSHIRE—</b>					Charleston.....	.99	.84	.66	.50
Evansville.....	.81	.69	.54	.41	Concord.....	1.49	1.31	.99	.70	Elkins.....	1.14	1.00	.76	.66
Fort Wayne.....	.84	.54	.43	.33	<b>NEW JERSEY—</b>					Wheeling.....	.99	.84	.66	.60
Indianapolis.....	.71	.61	.48	.36	Atlantic City.....	1.50	1.33	1.02	.74	<b>WISCONSIN—</b>				
Richmond.....	.76	.64	.51	.38	Trenton.....	1.42	1.29	.95	.67	Ashland.....	.99	.84	.68	.43
South Bend.....	.53	.45	.39	.27	<b>NEW MEXICO—</b>					La Crosse.....	.77	.64	.51	.36
<b>IOWA—</b>					Gallup.....	4.36	3.77	3.14	2.63	Madison.....	.61	.52	.41	.31
Des Moines.....	.92	.73	.55	.42	Sante Fe.....	3.31	2.83	2.28	1.91	Marquette.....	.66	.55	.45	.35
Fort Dodge.....	.99	.79	.60	.45	Silver City.....	3.91	3.32	2.74	2.34	Milwaukee.....	.52	.45	.35	.27
Sloux City.....	1.22	.99	.70	.49	<b>NEW YORK—</b>					<b>WYOMING—</b>				
<b>KANSAS—</b>					Albany.....	1.36	1.20	.91	.64	Cheyenne.....	2.74	2.21	1.68	1.30
Dodge City.....	2.47	2.12	1.65	1.27	Buffalo.....	.98	.84	.66	.50	Green River.....	3.84	2.33	2.08	2.15
Great Bend.....	1.94	1.86	1.45	1.18	New York.....	1.42	1.25	.95	.67	Lander.....	4.21	3.50	2.78	2.23
Topeka.....	1.52	1.25	.90	.66	Syracuse.....	1.14	1.00	.76	.53	Sheridan.....	3.76	3.14	2.54	2.05
Wichita.....	1.98	1.69	1.32	1.00	<b>N. CAROLINA—</b>									
					Raleigh.....	1.96	1.70	1.34	.99					
					Wilmington.....	1.96	1.66	1.30	.99					



# EXPRESS SHIPMENTS

## The Express Rates Below

In the tables below you will find the latest express rates per 100 lbs. on shipments from Chicago to well distributed cities in each state. You can use these cities to figure charges to your town. Look over the table and find the city nearest to you. If you wish to know the exact express charges on any article in this book to your station, write us, or ask your express agent.

## How to Figure Express Charges

Refer to the weight of the articles to be shipped given in the description in our catalog; then find the express rate per 100 lbs. to the nearest point to your town given in the express rates below; then note the rate per 100 lbs. in the scale of express charges, and follow the line of the weight of your goods to the column headed by the rate per 100 lbs. to your station. This will give you the correct express charges.

## The Express Rates Below Are for 100 Pounds to Towns Covering Each State

From Chicago to	P. Post Zone	Per 100 Pounds	From Chicago to	P. Post Zone	Per 100 Pounds	From Chicago to	P. Post Zone	Per 100 Pounds	From Chicago to	P. Post Zone	Per 100 Pounds	From Chicago to	P. Post Zone	Per 100 Pounds
<b>ALABAMA—</b>			<b>GEORGIA—Cont.</b>			<b>MASSACHUSETTS—</b>			<b>NEW MEXICO—</b>			<b>S. DAKOTA—Cont.</b>		
Birmingham.....	4	\$ 3.53	Savannah.....	5	\$ 4.64	Boston.....	5	\$ 3.67	Gallup.....	6	\$ 8.87	Bellefourche.....	5	\$ 5.47
Brewton.....	5	4.16	Waycross.....	5	4.57	<b>MICHIGAN—</b>			Santa Fe.....	6	6.79	Sioux Falls.....	4	3.60
Mobile.....	5	4.30	<b>IDAHO—</b>			Bessemer.....	4	3.11	Silver City.....	6	9.21	Watertown.....	4	4.02
Montgomery.....	5	3.81	Boise.....	7	10.87	Detroit.....	3	1.73	<b>NEW YORK—</b>			<b>TENNESSEE—</b>		
<b>ARIZONA—</b>			Pocatello.....	6	9.70	Grand Rapids.....	2	1.39	Albany.....	5	3.39	Jackson.....	4	2.91
Phoenix.....	7	11.29	<b>ILLINOIS—</b>			Traverse City.....	3	2.22	Buffalo.....	4	2.70	Knoxville.....	4	3.53
Tucson.....	6	10.12	Cairo.....	4	2.28	<b>MINNESOTA—</b>			New York.....	5	3.53	Memphis.....	4	3.11
<b>ARKANSAS—</b>			Joliet.....	1	1.03	Atkin.....	4	3.88	Syracuse.....	4	2.97	Nashville.....	4	2.63
Arkansas City.....	4	3.67	Rock Island.....	2	1.69	Crookston.....	4	4.44	<b>N. CAROLINA—</b>			<b>TEXAS—</b>		
Fort Smith.....	4	4.22	Springfield.....	3	1.80	Duluth.....	4	3.53	Raleigh.....	5	4.30	El Paso.....	6	8.45
Hot Springs.....	4	4.22	<b>INDIANA—</b>			Grand Rapids.....	4	4.02	Wilmington.....	5	4.64	Fort Worth.....	5	5.54
Little Rock.....	4	3.88	Evansville.....	3	1.73	Minneapolis.....	4	2.97	<b>NORTH DAKOTA—</b>			Houston.....	5	5.88
Texarkana.....	5	4.67	Fort Wayne.....	2	1.39	Winona.....	3	2.56	Bismarck.....	5	5.27	<b>UTAH—</b>		
<b>CALIFORNIA—</b>			Indianapolis.....	2	1.39	<b>MISSISSIPPI—</b>			Fargo.....	4	4.22	Marysville.....	6	10.82
Bakersfield.....	7	12.54	Richmond.....	3	1.73	Hattiesburg.....	5	4.02	Grand Forks.....	4	4.71	Salt Lake City.....	6	9.35
Los Angeles.....	7	12.54	South Bend.....	2	1.03	Jackson.....	5	3.88	Minot.....	5	5.47	<b>VERMONT—</b>		
San Francisco.....	8	13.09	<b>IOWA—</b>			Natchez.....	5	4.22	Williston.....	5	5.88	Montpelier.....	5	3.67
<b>COLORADO—</b>			Des Moines.....	3	2.70	<b>MISSOURI—</b>			<b>OHIO—</b>			<b>VIRGINIA—</b>		
Denver.....	5	6.02	Port Dodge.....	4	2.91	Kansas City.....	4	3.11	Cincinnati.....	3	1.94	Marion.....	4	3.60
Durango.....	6	8.38	St. Louis.....	4	3.60	St. Louis.....	3	2.14	Columbus.....	3	2.28	Richmond.....	4	3.81
Grand Junction.....	6	11.98	<b>KANSAS—</b>			Springfield.....	4	3.33	Toledo.....	3	1.80	Rocky Mount.....	4	3.81
Julesburg.....	5	5.38	Dodge City.....	5	4.91	<b>MONTANA—</b>			<b>OKLAHOMA—</b>			<b>WASHINGTON—</b>		
Leadville.....	5	7.13	Great Bend.....	5	4.36	Billings.....	6	7.48	Oklahoma City.....	5	4.99	Seattle.....	7	12.12
<b>CONNECTICUT—</b>			Kansas City.....	4	3.11	Glasgow.....	6	6.58	<b>OREGON—</b>			Spokane.....	7	10.95
Hartford.....	5	3.74	Wichita.....	4	4.36	Havre.....	6	7.69	Portland.....	7	12.47	<b>WEST VIRGINIA—</b>		
<b>DELAWARE—</b>			<b>KENTUCKY—</b>			Helena.....	6	9.07	<b>PENNSYLVANIA—</b>			Charleston.....	4	2.77
Dover.....	5	3.39	Hankfort.....	3	2.14	Kalispell.....	6	9.42	Harrisburg.....	4	3.19	Elkins.....	4	3.25
<b>DIST. OF COLUM.</b>			Frankfort.....	4	2.42	<b>NEBRASKA—</b>			Philadelphia.....	5	3.39	Wheeling.....	4	2.42
Washington.....	4	3.33	Hopkinsville.....	4	2.42	Lincoln.....	4	3.60	Pittsburgh.....	4	2.56	<b>WISCONSIN—</b>		
<b>FLORIDA—</b>			Louisville.....	3	1.94	North Platte.....	5	4.91	<b>RHODE ISLAND—</b>			Ashland.....	4	3.33
Jacksonville.....	5	4.99	Morehead.....	4	2.42	Omaha.....	4	3.33	Providence.....	5	3.74	La Crose.....	3	2.08
Miami.....	5	6.51	<b>LOUISIANA—</b>			<b>NEVADA—</b>			<b>S. CAROLINA—</b>			Madison.....	2	1.80
Pensacola.....	5	4.50	Lake Charles.....	5	4.99	Austin.....	7	11.50	Charleston.....	5	4.91	Marionette.....	2	2.63
Tallahassee.....	5	4.64	New Orleans.....	5	4.50	Carson City.....	7	12.20	Greenville.....	4	4.30	Milwaukee.....	2	1.45
Tampa.....	5	5.75	Shreveport.....	5	4.71	<b>NEW HAMPSH—</b>			Sumter.....	5	4.64	<b>WYOMING—</b>		
<b>GEORGIA—</b>			<b>MAINE—</b>			Concord.....	5	3.74	<b>SOUTH DAKOTA—</b>			Cheyenne.....	5	5.96
Atlanta.....	4	3.81	Bangor.....	5	4.08	<b>NEW JERSEY—</b>			Aberdeen.....	4	4.57	Green River.....	6	8.24
Macon.....	5	4.16	<b>MARYLAND—</b>			Atlantic City.....	5	3.53				Lander.....	6	7.62
			Baltimore.....	4	3.11	Trenton.....	5	3.53				Sheridan.....	5	6.72

## The Scale of Express Charges Below Is Based on the 100 Pound Rate

Rate per 100 lbs.	\$1.03	\$1.39	\$1.45	\$1.59	\$1.73	\$1.80	\$1.94	\$2.08	\$2.14	\$2.22	\$2.28	\$2.42	\$2.56	\$2.63	\$2.70
<b>CHARGES ON</b>															
Package of 1 lb.	.37	.37	.37	.37	.37	.37	.37	.37	.37	.37	.37	.37	.38	.38	.38
Package of 2 lbs.	.37	.37	.38	.38	.38	.38	.38	.38	.38	.39	.39	.39	.39	.39	.39
Package of 5 lbs.	.38	.40	.40	.40	.42	.42	.43	.43	.43	.44	.44	.44	.45	.45	.45
Package of 10 lbs.	.40	.44	.45	.47	.48	.48	.50	.52	.52	.53	.54	.55	.57	.57	.58
Package of 15 lbs.	.44	.50	.53	.57	.58	.58	.60	.62	.62	.63	.64	.66	.68	.69	.69
Package of 20 lbs.	.47	.55	.58	.62	.64	.66	.67	.68	.69	.71	.72	.73	.76	.79	.81
Package of 25 lbs.	.50	.60	.64	.68	.72	.76	.78	.80	.82	.83	.84	.86	.89	.92	.93
Package of 30 lbs.	.53	.66	.69	.72	.76	.78	.83	.86	.88	.89	.90	.92	.97	1.01	1.06
Package of 35 lbs.	.57	.71	.76	.78	.83	.86	.89	.93	.96	1.00	1.02	1.07	1.12	1.15	1.16
Package of 40 lbs.	.59	.76	.82	.84	.89	.93	.98	1.03	1.07	1.10	1.12	1.17	1.23	1.26	1.29
Package of 45 lbs.	.62	.82	.87	.89	.97	1.00	1.07	1.12	1.15	1.20	1.22	1.27	1.35	1.37	1.40
Rate per 100 lbs.	\$2.77	\$2.91	\$2.97	\$3.11	\$3.19	\$3.25	\$3.33	\$3.39	\$3.53	\$3.60	\$3.67	\$3.74	\$3.81	\$3.88	\$4.02
<b>CHARGES ON</b>															
Package of 1 lb.	.38	.38	.38	.38	.38	.38	.38	.38	.38	.38	.39	.39	.39	.39	.39
Package of 2 lbs.	.39	.40	.40	.40	.40	.40	.40	.40	.40	.42	.42	.42	.43	.43	.43
Package of 5 lbs.	.47	.47	.47	.48	.48	.48	.50	.50	.52	.52	.52	.53	.54	.54	.55
Package of 10 lbs.	.58	.59	.60	.62	.62	.64	.66	.67	.68	.69	.69	.71	.72	.73	.74
Package of 15 lbs.	.71	.72	.73	.76	.78	.78	.79	.81	.82	.83	.84	.86	.87	.88	.89
Package of 20 lbs.	.83	.84	.87	.89	.92	.93	.95	.96	.98	1.00	1.01	1.02	1.03	1.06	1.08
Package of 25 lbs.	.96	.97	1.00	1.03	1.06	1.07	1.10	1.11	1.13	1.16	1.17	1.20	1.21	1.23	1.26
Package of 30 lbs.	1.07	1.10	1.13	1.17	1.20	1.22	1.23	1.26	1.30	1.31	1.35	1.36	1.39	1.40	1.44
Package of 35 lbs.	1.20	1.22	1.26	1.31	1.35	1.36	1.39	1.41	1.45	1.49	1.51	1.54	1.55	1.58	1.64
Package of 40 lbs.	1.31	1.35	1.40	1.45	1.49	1.51	1.54	1.56	1.63	1.65	1.68	1.70	1.74	1.76	1.81
Package of 45 lbs.	1.44	1.47	1.52	1.59	1.63	1.65	1.69	1.71	1.78	1.81	1.84	1.86	1.90	1.94	1.99
Rate per 100 lbs.	\$4.57	\$4.64	\$4.71	\$4.91	\$4.99	\$5.27	\$5.33	\$5.47	\$5.54	\$5.75	\$5.88	\$6.02	\$6.51	\$6.58	\$6.72
<b>CHARGES ON</b>															
Package of 1 lb.	.39	.39	.39	.39	.39	.40	.40	.40	.40	.40	.40	.40	.42	.42	.42
Package of 2 lbs.	.43	.43	.43	.44	.44	.44	.44	.44	.45	.45	.45	.47	.47	.47	.48
Package of 5 lbs.	.55	.55	.57	.58	.58	.59	.59	.60	.62	.62	.62	.66	.66	.67	.68
Package of 10 lbs.	.76	.78	.78	.81	.81	.83	.84	.86	.88	.88	.89	.92	.96	.97	.98
Package of 15 lbs.	.98	.98	1.00	1.02	1.03	1.08	1.10	1.11	1.12	1.15	1.16	1.20	1.27	1.27	1.30
Package of 20 lbs.	1.20	1.21	1.22	1.26	1.27	1.34	1.35	1.37	1.39	1.42	1.44	1.47	1.49	1.58	1.63
Package of 25 lbs.	1.40	1.41	1.44	1.49	1.51	1.58	1.59	1.63	1.65	1.69	1.71	1.75	1.76	1.89	1.90
Package of 30 lbs.	1.61	1.64	1.65	1.71	1.73	1.81	1.84	1.89	1.90	1.97	1.98	2.03	2.05	2.19	2.22
Package of 35 lbs.	1.83	1.84	1.86	1.94	1.97	2.07	2.09	2.13	2.17	2.23	2.26	2.32	2.33	2.51	2.52
Package of 40 lbs.	2.04	2.07	2.09	2.18	2.21	2.32	2.34	2.39	2.42	2.51	2.56	2.60	2.62	2.81	2.84
Package of 45 lbs.	2.24	2.27	2.32	2.39	2.44	2.56	2.60	2.65	2.68	2.77	2.84	2.87	2.90	3.11	3.15
Rate per 100 lbs.	\$8.24	\$8.38	\$8.45	\$8.87	\$9.07	\$9.21	\$9.35	\$9.42	\$9.70	\$10.12	\$10.32	\$10.87	\$10.95	\$11.29	\$11.50
<b>CHARGES ON</b>															
Package of 1 lb.	.43	.43	.43	.43	.43	.43	.43	.44	.44	.44	.44	.45	.45	.45	.45
Package of 2 lbs.	.50	.52	.52	.53	.53	.53	.53	.54	.54	.54	.54	.55	.55	.57	.57
Package of 5 lbs.	.73	.74	.74	.78	.78	.79	.79	.81	.82	.83	.84	.87	.87	.88	.89
Package of 10 lbs.	1.13	1.15	1.15	1.20	1.22	1.23	1.25	1.25	1.27	1.31	1.35	1.40	1.40	1.44	1.45
Package of 15 lbs.	1.52	1.55	1.56	1.63	1.65	1.68	1.69	1.70	1.75	1.81	1.84	1.93	1.94	1.98	2.03
Package of 20 lbs.	1.93	1.95	1.97	2.05	2.09	2.12	2.14	2.17	2.22	2.31	2.34	2.46	2.47	2.53	2.58
Package of 25 lbs.	2.32	2.36	2.37	2.48	2.52	2.56	2.60	2.62	2.68	2.78	2.84	2.97	3.00	3.07	3.14
Package of 30 lbs.	2.72	2.76	2.77	2.90	2.96	3.01	3.05	3.06	3.15	3.28	3.34	3.50	3.52	3.63	3.69
Package of 35 lbs.	3.10	3.16	3.19	3.33	3.39	3.45	3.49	3.52	3.62	3.77	3.84	4.03	4.06	4.17	4.26
Package of 40 lbs.	3.50	3.57	3.59	3.75	3.84	3.89	3.94	3.98	4.08	4.26	4.33	4.56	4.59	4.73	4.81
Package of 45 lbs.	3.89	3.97	3.99	4.18	4.27	4.33	4.40	4.44	4.56	4.74	4.84	5.09	5.12	5.27	5.37



# PARCEL POST SHIPMENTS

## The Extent and Advantages of the Parcel Post System

PARCEL POST service offers a convenient, quick and efficient means of transporting mailable parcels to every postoffice in the United States, or its possessions. This service reaches more places than any other transportation agency. Consider the comparative speed of Parcel Post shipments and without disregard for the big economy in freight shipments, the Postoffice offers a most economical delivery service. Reference to the table below shows the variation of charges according to the zone in which your postoffice is located. Parcel Post packages are handled with the same accuracy as any other mail matter. If you live in the city where your mail is delivered to your door, your Parcel Post shipments will come to your door. The mail carrier will deliver them to your mail box. If there is no mail carrier in your town, they are delivered to your nearest postoffice.

## Charges for Packages Shipped by Parcel Post

*The Preceding Page Will Help You Locate Your Zone from Chicago*

WEIGHT IN POUNDS	LOCAL	ZONES							
		First, up to 50 miles	Second, 50 to 150 miles	Third, 150 to 300 miles	Fourth, 300 to 600 miles	Fifth, 600 to 1,000 miles	Sixth, 1,000 to 1,400 miles	Seventh, 1,400 to 1,800 miles	Eighth, over 1,800 miles
1	\$0.05	\$0.05	\$0.05	\$0.06	\$0.07	\$0.08	\$0.09	\$0.11	\$0.12
2	.06	.06	.06	.08	.11	.14	.21	.24	.24
3	.06	.07	.07	.10	.15	.20	.25	.31	.36
4	.07	.08	.08	.12	.19	.26	.33	.41	.48
5	.07	.09	.09	.14	.23	.32	.41	.51	.60
6	.08	.10	.10	.16	.27	.38	.49	.61	.72
7	.08	.11	.11	.18	.31	.44	.57	.71	.84
8	.09	.12	.12	.20	.35	.50	.65	.81	.96
9	.09	.13	.13	.22	.39	.56	.73	.91	1.08
10	.10	.14	.14	.24	.43	.62	.81	1.01	1.20
11	.10	.15	.15	.26	.47	.68	.89	1.11	1.32
12	.11	.16	.16	.28	.51	.74	.97	1.21	1.44
13	.11	.17	.17	.30	.55	.80	1.05	1.31	1.56
14	.12	.18	.18	.32	.59	.86	1.13	1.41	1.68
15	.12	.19	.19	.34	.63	.92	1.21	1.51	1.80
16	.13	.20	.20	.36	.67	.98	1.29	1.61	1.92
17	.13	.21	.21	.38	.71	1.04	1.37	1.71	2.04
18	.14	.22	.22	.40	.75	1.10	1.45	1.81	2.16
19	.14	.23	.23	.42	.79	1.16	1.53	1.91	2.28
20	.15	.24	.24	.44	.83	1.22	1.61	2.01	2.40
21	.15	.25	.25	.46	.87	1.28	1.69	2.11	2.52
22	.16	.26	.26	.48	.91	1.34	1.77	2.21	2.64
23	.16	.27	.27	.50	.95	1.40	1.85	2.31	2.76
24	.17	.28	.28	.52	.99	1.46	1.93	2.41	2.88
25	.17	.29	.29	.54	1.03	1.52	2.01	2.51	3.00
26	.18	.30	.30	.56	1.07	1.58	2.09	2.61	3.12
27	.18	.31	.31	.58	1.11	1.64	2.17	2.71	3.24
28	.19	.32	.32	.60	1.15	1.70	2.25	2.81	3.36
29	.19	.33	.33	.62	1.19	1.76	2.33	2.91	3.48
30	.20	.34	.34	.64	1.23	1.82	2.41	3.01	3.60
31	.20	.35	.35	.66	1.27	1.88	2.49	3.11	3.72
32	.21	.36	.36	.68	1.31	1.94	2.57	3.21	3.84
33	.21	.37	.37	.70	1.35	2.00	2.65	3.31	3.96
34	.22	.38	.38	.72	1.39	2.06	2.73	3.41	4.08
35	.22	.39	.39	.74	1.43	2.12	2.81	3.51	4.20
36	.23	.40	.40	.76	1.47	2.18	2.89	3.61	4.32
37	.23	.41	.41	.78	1.51	2.24	2.97	3.71	4.44
38	.24	.42	.42	.80	1.55	2.30	3.05	3.81	4.56
39	.24	.43	.43	.82	1.59	2.36	3.13	3.91	4.68
40	.25	.44	.44	.84	1.63	2.42	3.21	4.01	4.80
41	.25	.45	.45	.86	1.67	2.48	3.29	4.11	4.92
42	.26	.46	.46	.88	1.71	2.54	3.37	4.21	5.04
43	.26	.47	.47	.90	1.75	2.60	3.45	4.31	5.16
44	.27	.48	.48	.92	1.79	2.66	3.53	4.41	5.28
45	.27	.49	.49	.94	1.83	2.72	3.61	4.51	5.40
46	.28	.50	.50	.96	1.87	2.78	3.69	4.61	5.52
47	.28	.51	.51	.98	1.91	2.84	3.77	4.71	5.64
48	.29	.52	.52	1.00	1.95	2.90	3.85	4.81	5.76
49	.29	.53	.53	1.02	1.99	2.96	3.93	4.91	5.88
50	.30	.54	.54	1.04	2.03	3.02	4.01	5.01	6.00
51	.30	.55	.55	1.06					
52	.31	.56	.56	1.08					
53	.31	.57	.57	1.10					
54	.32	.58	.58	1.12					
55	.32	.59	.59	1.14					
56	.33	.60	.60	1.16					
57	.33	.61	.61	1.18					
58	.34	.62	.62	1.20					
59	.34	.63	.63	1.22					
60	.35	.64	.64	1.24					
61	.35	.65	.65	1.26					
62	.36	.66	.66	1.28					
63	.36	.67	.67	1.30					
64	.37	.68	.68	1.32					
65	.37	.69	.69	1.34					
66	.38	.70	.70	1.36					
67	.38	.71	.71	1.38					
68	.39	.72	.72	1.40					
69	.39	.73	.73	1.42					
70	.40	.74	.74	1.44					

## PLEASE READ!

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# A Page of Home Bargains!



## Louis XVI Bed Room Pieces in Walnut or Ivory

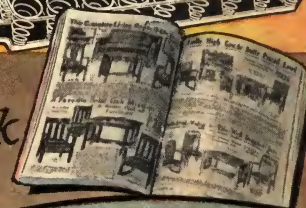
No. 1-A-320. Finest construction finish. Dresser 46 ins. wide and 21 ins. deep with French plate mirror size 32x26 ins. Bow end bed, full size. Well arranged chiffonette 34 ins. wide and 20 ins. deep. State finish wanted. Bed only, \$35.75. Dresser only, \$44.75. Chiffonette \$34.75.

No. 1-A-322. Full weight 45 lb. white felt layer cotton mattress with imperial roll edge and select art ticking. Full size, \$12.50.

No. 1-A-324. High grade double deck coil spring built on steel frame with helical spring and interlaced top. Features durability and sleeping comfort. Full size \$9.75.

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## Nickel Trimmed Kitchen Range \$49<sup>50</sup>

No. 12-A-8319. Splendid steel range. Cast iron base. Beautifully nicked. Weight, 350 lbs. Cooking top size, 27 by 37 ins. to 27 by 41 ins. 8 inch lids. 5 gal. porcelain lined reservoir.

### OVEN SIZE

16x18x13 ins. 18x18x13 ins. 20x18x13 ins.  
\$49.50 \$52.50 \$55.50

## Elegant Wilton Velvet Rugs!

No. 20-A-404. Made in one piece with fringed ends. The tasty Persian pattern is beautifully carried out in soft toned colors as pictured here. Closely woven with tough back; securely bound at ends. Deep and close soft silky pile. Five sizes suitable for any room. \$19.50

6x9 ft., \$24.75. 8 1/2 x 10 1/2 ft., \$31.50. 9x12 ft., \$36.00.  
11 1/2 x 12 ft., \$49.00. Shipped from Chicago.

## Porcelain Top Kitchen Cabinet \$29<sup>95</sup>

No. 1-A-326. Built to endure of finely figured oak, in water-proof light golden oak finish. All time and step saving conveniences include white enameled canopy interior. Roll curtain front, heavy metal porcelain sliding work top. Bread and cake box. Tilting flour bin, tea, coffee, sugar and spice jars included. Price \$29.95.

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